MANUALE DEL TECNICO

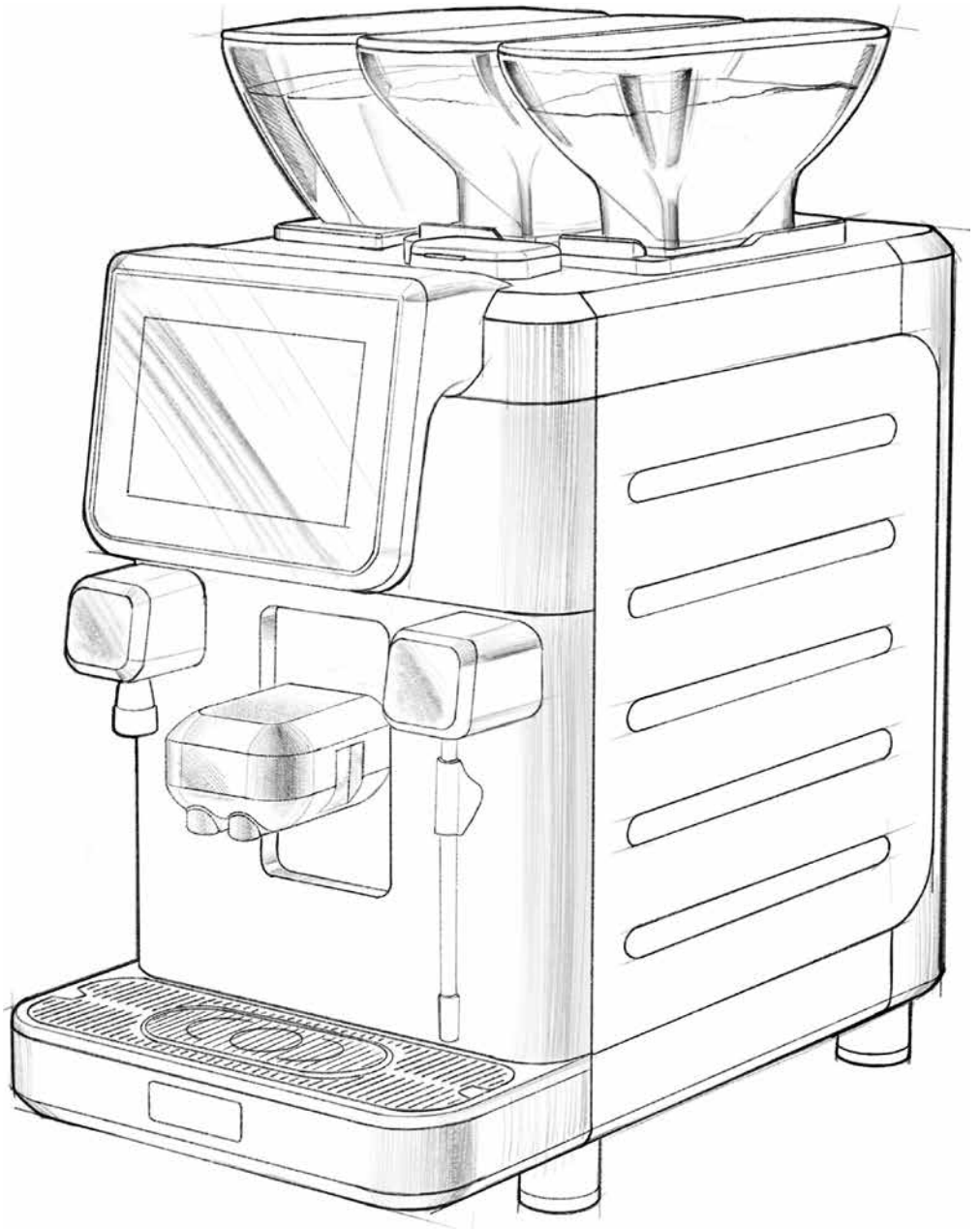
ENGINEER'S MANUAL

MANUEL DU TECHNICIEN

TECHNIKERHANDBUCH

MANUAL DEL TÉCNICO

MANUAL DO TÉCNICO



(rev. MT-S15-X15 A0-2128)

Documentazione per il Tecnico - Documentation for the Technician - Documentation pour le technicien
Dokumentation für den Techniker - Documentación para el técnico - Documentação para o técnico

Nella sezione DOCUMENTAZIONE trovate il Manuale Uso ed installazione ed il Manuale Tecnico completi.

In the DOCUMENTATION section, you will find the complete User and Installation Manual, and the Technical Manual.

Le manuel d'Utilisation et d'Installation et le Manuel du Technicien complets se trouvent dans la section DOCUMENTATION.

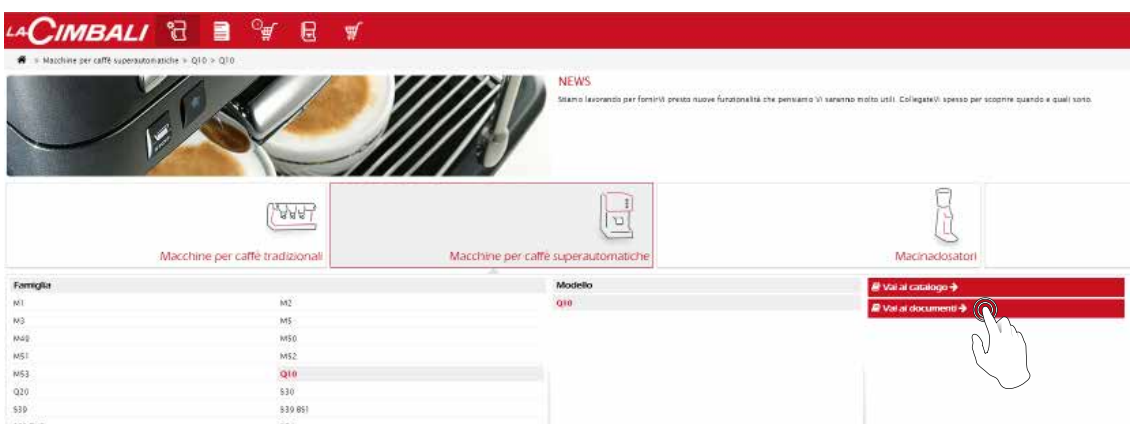
Der Abschnitt DOKUMENTATION enthält die vollständige Fassung der Bedienungs- und Installationsanleitung und des Techniker-Handbuchs.

En la sección DOCUMENTACIÓN se encuentran completos el Manual de uso e Instalación y el Manual Técnico.

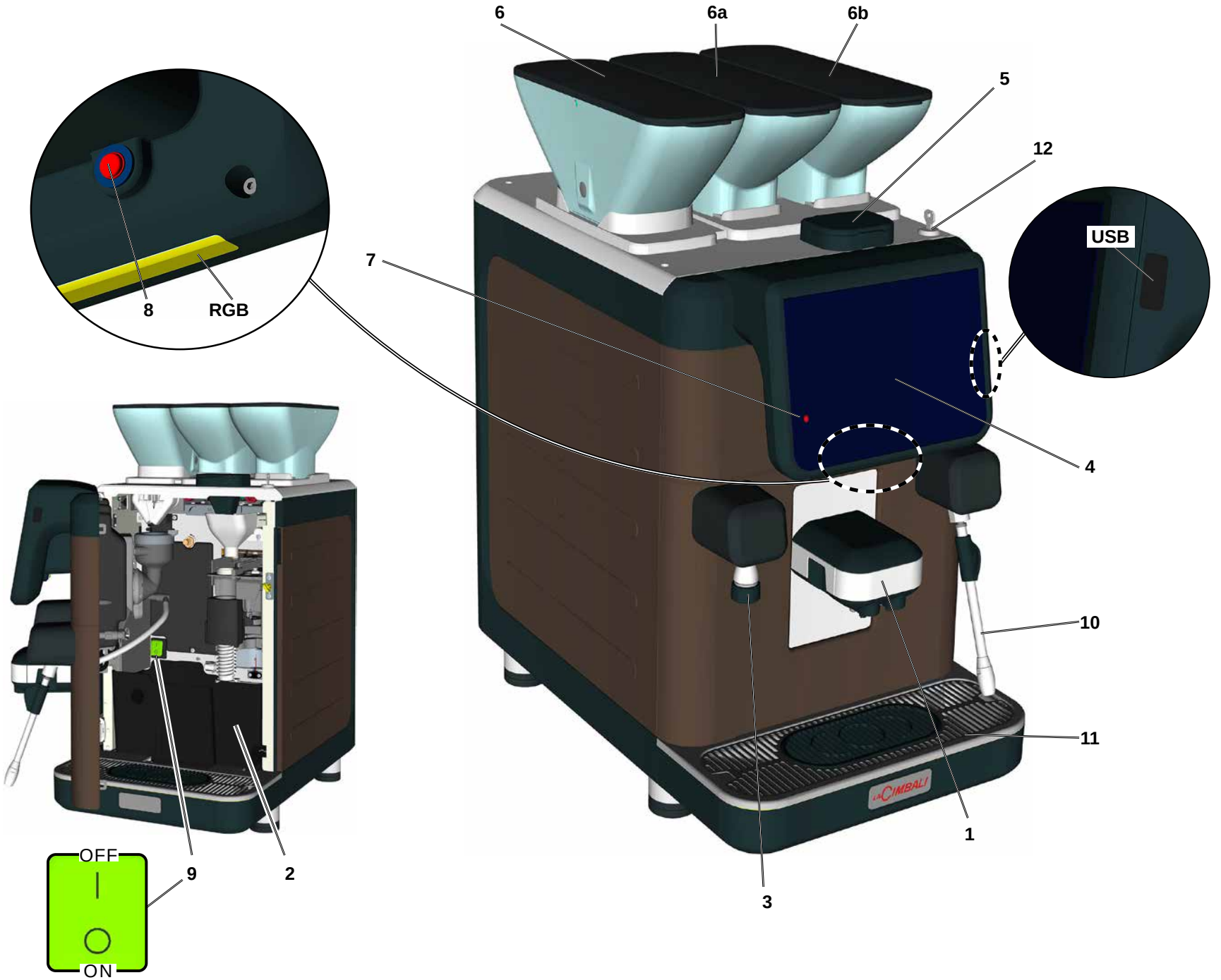
Na secção DOCUMENTAÇÃO encontra-se o Manual de utilização e instalação e o Manual técnico completos.

Li trovate inoltre sul sito:
You can also find them on the website:
Ils se trouvent également sur le site :
Die Handbücher sind außerdem einsehbar auf der Webseite:
También los puede encontrar en el sitio:
Estes manuais também se encontram disponíveis no sítio:

https://order.gruppocimbali.com/explorer/spareparts/page/login



Dove ogni concessionario abilitato può consultare oltre il catalogo ricambi la sezione documentazione.
Where every authorised dealer can view the replacement parts catalogue in addition to the documentation section.
Où tous les concessionnaires agréés peuvent également consulter le catalogue des pièces de rechange, dans la section Documentation.
Dort kann jeder autorisierte Vertragshändler neben dem Ersatzteilkatalog auch den Abschnitt Dokumentation einsehen.
En donde cada concesionario habilitado puede consultar además del catálogo de recambios, la sección de documentación.
Onde será possível cada revendedor autorizado pode consultar o catálogo de peças sobressalentes na secção documentação.


6
6a
6b
5
12
USB
7
8
RGB
4
10
11
1
3
9
2
OFF
ON

IT LEGENDA

1 Erogatore caffè/cappuccino/solubile
2 Cassetto fondi
3 Erogatore acqua calda
4 Touch screen
5 Sportello decaffeinato
6 Tramoggia solubile
6a Tramoggia caffè 2 "dx"
6b Tramoggia caffè 1 "sx"
7 Led “Sleep mode”
8 Pulsante “Sleep mode”
9 Interruttore generale
10 Tubo (lancia) vapore
11 Bacinella appoggiatazze
12 Serratura cruscotto comandi
RGB Illuminazione macchina
USB Ingresso USB

EN LEGEND

1 Dispensing nozzle coffee/ cappuccino/solubles
2 Grounds drawer
3 Hot water outlet
4 Touch screen
5 Decaffeinated coffee panel
6 Soluble hopper
6a Coffee hopper 2 "dx"
6b Coffee hopper 1 "sx"
7 “Sleep mode” led
8 “Sleep mode” button
9 Main switch
10 Steam pipe
11 Tray
12 Control panel lock
RGB Machine lighting
USB USB Port

FR LEGENDE

1 Bec débit café/cappuccino/soluble
2 Tiroir à marcs
3 Bec débit eau chaude
4 Écran tactile
5 Volet pour décaféiné
6 Trémies soluble
6a Trémies café 2 "dx"
6b Trémies café 1 "sx"
7 Led “Sleep mode”
8 Touche “Sleep mode”
9 Interrupteur général
10 Tuyau de la vapeur
11 Bac repose-tasse
12 Verrouillage du tableau de commande
RGB Éclairage machine
USB Porte USB

DE LEGENDE

1 Getränkeauslauf Kaffee/Cappuccino/Instant
2 Schublade für Kaffeesatz
3 Heißwasserausgabe
4 Touch screen
5 Klappe für koffeinfreien Kaffee
6 Trichter Instant
6a Kaffeebohnentrichter 2 "dx"
6b Kaffeebohnentrichter 1 "sx"
7 Led “Sleep mode”
8 Taste “Sleep mode”
9 Hauptschalter
10 Dampfausgaberohr
11 Auffangschale
12 Schloß für Paneel Steuervorrichtungen
RGB Maschinenbeleuchtung
USB USB-Port

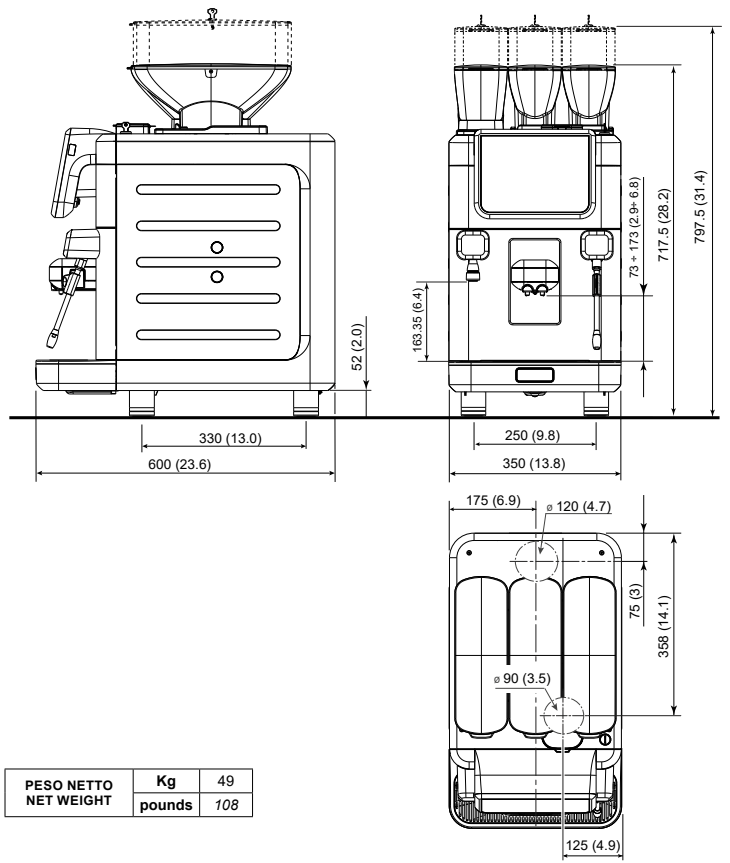
ES LEYENDA

1 Distribuidor café/cappuccino/soluble
2 Cajón posos
3 Erogador agua caliente
4 Pantalla táctil
5 Portillo descafeinado
6 Tolvas soluble
6a Tolvas café 2 "dx"
6b Tolvas café 1 "sx"
7 Led “Sleep mode”
8 Botón “Sleep mode”
9 Interruptor general
10 Tubo vapor
11 Bandeja
12 Cerradura panel de mandos
RGB Iluminación de la máquina
USB Puerto USB

PT LEGENDA

1 Distribuidor de café/cappuccino/solúvel
2 Gaveta dos borras
3 Distribuidor de água quente
4 Touch screen
5 Portinhola do café descafeinado
6 Tremonhas para solúvel
6a Tremonhas para café em grão 2 "dx"
6b Tremonhas para café em grão 1 "sx"
7 Led “Sleep mode”
8 Tecla “Sleep mode”
9 Interruptor geral
10 Tubo do vapor
11 Tabuleiro
12 Fechadura quadro de comandos
RGB Iluminação da máquina
USB Porta USB

			Tipo di macchina - Type of machine Type de machine - Maschinentyp Modelo de la machina - Tipo de la máquina	
	P_{max} [bar]	T_{max} [°C]	**Fluido - Fluid - Fluide Flüssig - Fluido - Fluido**	**Capacità - Capacity - Capacitè Fassungsvermögen - Capacidad Capacidade** [L]
Caldaia - Service boiler - Chaudière Heizkessel - Caldera - Caldeira	2	133	acqua/vapore - water/steam - eau/vapeur Wasser/Dampf - agua/vapor - água/vapor	2.0
Scambiatore Heat exchanger Échangeur de chaleur Wärmeaustauscher Intercambiador de calor Permutador de calor	12	133	acqua - water - eau Wasser - agua - água	0.25



PESO NETTO NET WEIGHT	Kg	49
	pounds	*108*

MACCHINA MACHINE	ALIMENTAZIONE ELETTRICA POWER SUPPLY	POTENZA INSTALLATA INSTALLED POWER	CORRENTE DI LINEA LINE POWER	SEZIONE CAVO ALIMENTAZIONE SUPPLY CABLE SECTION
	220-240 V 50 Hz 220 V 60 Hz	2.7-3.1 kW 2.7 kW	13 A	3 x 1,5 mm²

IT

Attenzione! non devono essere utilizzate all'interno della macchina sostanze contenenti idrocarburi aromatici, acidi ossidanti, acetone, Idroclorofluoro carburi, etere e chetoni! Inoltre non devono essere utilizzati collanti anaerobici

(Loctite 511, Loctite 542, ecc)

EN

Warning! Substances containing aromatic hydrocarbons, oxidising acids, acetone, hydrofluorocarbons, ether or ketones must not be used in the machine!
Also prohibited from use are anaerobic adhesives (Loctite 511, Loctite 542, etc.).

FR

Attention ! ne pas utiliser à l'intérieur de la machine des substances contenant des hydrocarbures aromatiques, des acides oxydants, de l'acétone, des hydrochlorofluoro carbures, de l'éther et des cétones !
De plus éviter d'utiliser des colles anaérobies (Loctite 511, Loctite 542, etc.)

DE

Achtung! In der Maschine dürfen keine Stoffe verwendet werden, die aromatische Kohlenwasserstoffe, Säuren, Oxidantien, Aceton, Fluorchlorkohlenwasserstoffe , Ether und Ketone enthalten!
Ferner dürfen keine anaeroben Klebstoffe (Loctite 511, Loctite 542 usw.) verwendet werden

ES

Atención! En el interior de la máquina no deben utilizar-se sustancias que contengan hidrocarburos aromáticos, ácidos oxidantes, acetona, hidroclorofluorocarburos, éter o cetonas.
Tampoco deben utilizarse colas anaeróbicas (Loctite 511, Loctite 542, etc.)

PT

Atenção! no interior da máquina não devem ser utilizadas substâncias que contenham hidrocarbonetos aromáticos, ácidos oxidantes, acetonas, hidroclorofluorcarbonetos, éteres e cetonas!
Também não devem ser utilizados colantes anaeróbicos (Loctite 511, Loctite 542, etc)

English

Index

Description of display symbols

English

Warning symbol: yellow notification, red malfunction

Machine cold symbol

WiFi connection symbols (Green = connection to *Telemetry* portal operating; White = WiFi connection; Empty = no connection).

Volume symbols (excluded, minimum, medium, maximum)

Technical menu access symbol

Technician menu access symbol (advanced)

USB Pen Drive inserted symbol

Drop-down menu scrolling symbols

Grounds drawer full

No coffee (hopper 1 left, hopper 2 right)

No milk (container 1, container 2).

Decaffeinated coffee wafer

Coffee dispenser blocked due to lack of washing.

Milk dispenser blocked due to lack of washing

Machine switch-off (sleep mode)

Energy saving (sleep mode)

Access via password

Warming cycle for coffee dispensing.

Confirm operation

Cancel operation

Procedure for group wash with tablet

"not fresh coffee warning delay" icon

“Milk temperature too high” icon

Selection pages

communication anomaly with payment system

Payment system symbols (Blue = system connected; Green = system connected and operational; Red = payment system has denied the transaction).

Programming Access

WASHES

Short group | Group | Milk | Soluble | Complete | Solubles info | Screen cleaning | Washing options

TIME

Date and time | Operation | Energy saving | Washes

LANGUAGE

Chinese | Dutch | English | French | German | Italian | Japanese | Portuguese | Russian | Spanish | Custom language

INFO

Counters | Selection counters | Machine data | Wash history | Malfunc. history

CUSTOMISATION

Recipe settings | Group mode | Water/steam settings | Background | Screen saver | Audio | Media | RGB Lights | Wi-Fi

PROGRAMMING

Resin regeneration | Water filter | Maintenance | Manual commands | Configuration | Set password

DOCUMENTATION

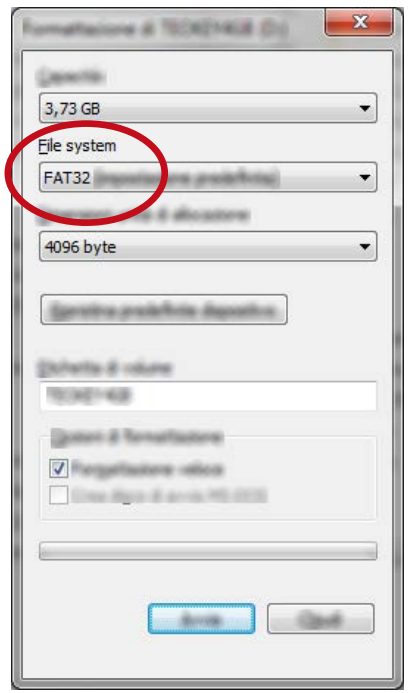
User manual | Technical manual

Aggiornamento Software tramite Pen Drive USB - Updating software from USB Pen Drive
Mise à jour Logiciel par clé USB - Aktualisierung der Software über USB-Stick
Actualización Software por medio de llave USB - Atualização do Software pela Pen Drive USB

English

1 OPERAZIONI PRELIMINARI

IT Formattare una Pen Drive USB utilizzando il formato **FAT32**. Se si utilizza Windows, è sufficiente utilizzare le impostazioni di formattazione predefinite come mostrato nell'immagine.Se si utilizza una Pen Drive USB con led di funzionamento, questa condizione è rappresentata dal lampeggio di quest'ultimo.



PRELIMINARY OPERATIONS

EN Format a USB Pen Drive using the **FAT32** format. If using Windows, use the predefined formatting settings as shown in the image. If using a USB Pen Drive operating LED, this is shown by the LED flashing.

OPÉRATIONS PRÉLIMINAIRES

FR Formater une Clé USB en utilisant le format **FAT32**. Si l'on utilise Windows, il suffit d'utiliser les réglages de formatage prédéfinis comme illustré sur l'image. Si l'on utilise une Clé USB avec une LED de fonctionnement, cette condition est signalée par le clignotement de la LED.

VORBEREITUNG

DE Einen USB-Stick mit **FAT32** formatieren. Wenn Windows benutzt wird, einfach die vorgegebenen Formatiereinstellungen verwenden, wie auf der Abbildung gezeigt ist. Wenn ein USB-Stick mit Betriebs-LED verwendet wird, wird dies mit Blinken der LED angezeigt.

OPERACIONES PRELIMINARES

ES Formatear una llave USB utilizando el formato **FAT32**. Si se utiliza Windows, es suficiente utilizar las configuraciones de formateado predefinidas como se muestra en la imagen. Si se utiliza una llave USB con led de funcionamiento, esta condición aparece indicada por el parpadeo de este último.

OPERAÇÕES PRELIMINARES

PT Formatar uma Pen Drive USB utilizando o formato **FAT32**. Se utiliza Windows, basta utilizar as configurações de formatação predefinidas, como ilustrado na imagem. Se utiliza uma Pen Drive USB com led de funcionamento, esta condição é assinalada pelo piscar do mesmo.

2

IT Tramite un pc connesso ad internet, digitare nel campo indirizzo:

EN Using a pc connected to the internet, enter the following address in the relevant field:

FR A travers un ordinateur branche a internet, entrez dans la rubrique adresse:

DE An einem an das Internet angeschlossenen PC im Adressfeld eingeben:

ES Trámite un pc conectado a internet, escriba en el campo dirección:

PT Mediante um pc ligado a internet, digite no campo endereço:

ftp://213.182.66.30

Aggiornamento Software tramite Pen Drive USB - Updating software from USB Pen Drive
Mise à jour Logiciel par clé USB - Aktualisierung der Software über USB-Stick
Actualización Software por medio de llave USB - Atualização do Software pela Pen Drive USB

3 **IT** Nella finestra che compare, digitare i seguenti dati:
EN Enter the following information in the window that appears:
FR Dans la fenetre qui s'affiche, entrez les donnees suivantes:
DE In dem erschienenen Fenster folgende Daten eingeben:
ES En la ventana que aparece, escriba los siguientes datos:
PT Na janela que aparece, digite os seguintes dados:

User name: **cffirmware**
Password: **firmware**

4 **IT** Selezionare la cartella (es. S15):
EN Select the directory (e.g. S15):
FR Sélectionnez le répertoire (ex. S15):
DE Ordner anwählen (z.B. S15):
ES Seleccionar la carpeta (ej. S15):
PT Selecione a pasta (ex. S15):

5 **IT** Selezionare i file da scaricare (**RECOVERY ..**) salvandoli sul PC:
EN Select the files to download (**RECOVERY ..**) and saving them to PC:
FR Sélectionnez le fichier à décharger (**RECOVERY ..**) en l'enregistrant sur l'ordinateur:
DE Herunterzuladende Datei wählen (**RECOVERY ..**) und auf PC speichern:
ES Seleccionar el archivo a descargar (**RECOVERY ..**) guardándolo en el PC:
PT Selecione o ficheiro a descarregar (**RECOVERY ..**) guardando-o no PC:

Aggiornamento Software tramite Pen Drive USB - Updating software from USB Pen Drive
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6 **IT** Copiare i file di aggiornamento **(RECOVERY ..)** nel percorso principale della Pen Drive USB connessa al PC.

EN Copy the update files **(RECOVERY ..)** to the main file path of a USB Pen Drive connected to the PC.

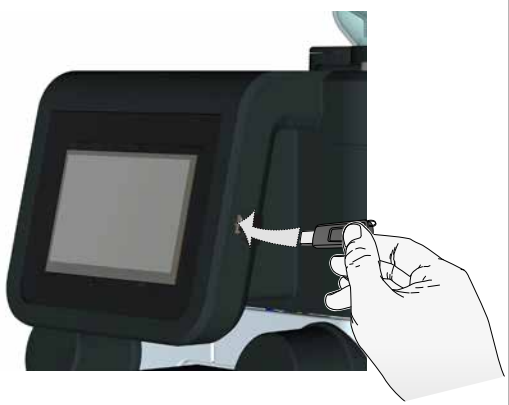
FR Copier les fichiers de mise à jour **(RECOVERY ..)** dans le chemin principal d'une clé USB branchée à l'ordinateur.

DE Die Aktualisierungsdateien **(RECOVERY ..)** in den Hauptpfad eines eingesteckten USB-Sticks kopieren.

ES Copiar los archivos de actualización **(RECOVERY ..)** en la ruta principal de una llave USB conectada al PC.

PT Copiar os ficheiros de atualização **(RECOVERY ..)** no percurso principal de uma Pen Drive USB ligada no PC.

7 **IT** A macchina spenta inserire il supporto USB, con l'aggiornamento Software da caricare in macchina, nell'ingresso dedicato sul lato destro del touch screen.



EN When the machine is off, insert USB device containing the software update to be uploaded to the machine in the dedicated slot located on the right side of the touch screen.

FR Une fois la machine éteinte, introduire la clé USB, avec la mise à jour du Logiciel à charger, dans le port situé sur le côté droit de l'écran tactile.

DE Bei abgeschalteter Maschine den USB-Stick mit der Softwareaktualisierung in den dafür vorgesehenen Eingang an der rechten Seite des Touchscreens stecken.

ES Con la máquina apagada, conecte el dispositivo USB con la actualización Software que desea cargar en la máquina utilizando la entrada correspondiente, ubicada en el lado derecho de la pantalla táctil.

PT Com a máquina desligada, introduzir a pen USB, com a atualização do Software a carregar na máquina, na respetiva entrada do lado direito do ecrã tátil.

8 **IT** Riaccendere la macchina: alla riaccensione comparirà la seguente schermata.

EN Turn the machine on again: when on, the following screen will appear.

FR Rallumer la machine : au rallumage, la page-écran suivante apparaît.

DE Die Maschine wieder einschalten: Beim Einschalten erscheint die folgende Seite.

ES Volver a encender la máquina: una vez encendida aparecerá la siguiente pantalla.

PT Ligar de novo a máquina: quando reinicia aparece a seguinte janela.

Aggiornamento Software tramite Pen Drive USB - Updating software from USB Pen Drive
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9

IT Non spegnere la macchina durante le operazioni di aggiornamento!

EN Do not turn the machine off during the update!

FR Ne pas éteindre la machine durant les opérations de mise à jour !

DE Die Maschine während der Aktualisierungsvorgänge nicht ausschalten!

ES No apague la máquina durante las operaciones de actualización!

PT Não desligar a máquina durante as operações de atualização!

10

IT Al termine dell'aggiornamento comparirà la seguente schermata. La procedura di Recovery è stata eseguita in maniera corretta; il touch screen si spegnerà entro 5 secondi.

EN Once the update is finished, the following screen will appear. The Recovery procedure has been completed correctly, and the touch screen will turn off in 5 seconds.

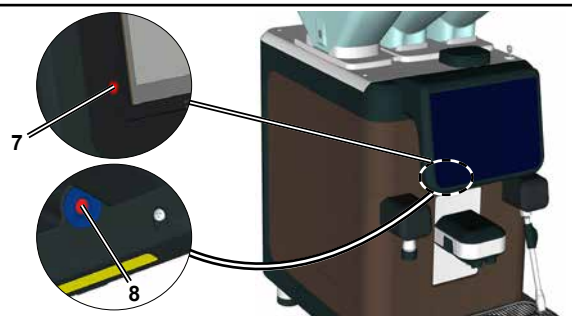
FR À la fin de la mise à jour, la page-écran suivante s'affiche. La procédure de Recovery a été effectuée de manière correcte ; l'écran tactile s'éteindra dans les 5 secondes.

DE Wenn die Aktualisierung beendet ist, erscheint folgende Bildschirmseite. Der Recovery-Vorgang wurde korrekt durchgeführt; der Touchscreen schaltet sich innerhalb von 5 Sekunden aus.

ES Al finalizar la actualización, aparecerá la siguiente pantalla. El procedimiento de Recovery se ha ejecutado correctamente; la pantalla táctil se apagará trascurridos 5 segundos.

PT No fim da atualização abre-se a seguinte janela. O processo de Recuperação foi realizado de forma correta; o ecrã tátil desliga-se passados 5 segundos.

12



IT Completata la fase di spegnimento rimane attivo il led rosso (**7**); premere il pulsante "Sleep mode" (**8**) per completare l'aggiornamento e ripristinare il normale funzionamento della macchina.

EN Once shut off is complete, the red LED (**7**) remains lit. Push the Sleep Mode button (**8**) to complete the update and restore normal machine operation.

FR Au terme de la phase d'extinction, la LED rouge (**7**) reste active ; appuyer sur la touche « mode Veille » (**8**) pour terminer la mise à jour et rétablir le fonctionnement normal de la machine.

DE Wenn der Ausschaltvorgang abgeschlossen ist, bleibt die rote Leuchtdiode (**7**) eingeschaltet; die Taste „Sleep Mode" (**8**) drücken, um die Aktualisierung abzuschließen und den normalen Betrieb der Maschine wieder aufzunehmen.

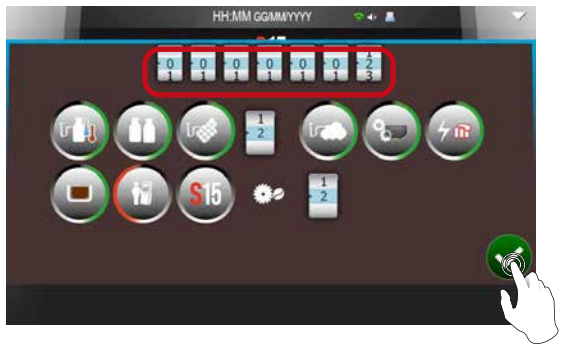
ES Una vez completada la fase de apagado permanece activo el led rojo (**7**); presionar el botón "Sleep mode" (**8**) para completar la actualización y restablecer el funcionamiento normal de la máquina.

PT Terminada a fase de desligação, permanece ativo o led vermelho (**7**); premir o botão "Sleep mode" (**8**) para completar a atualização e restabelecer o funcionamento normal da máquina.

11

IT Rimuovere il supporto USB.
EN Remove the USB device.
FR Retirer le support USB.
DE Entfernen Sie den USB-Stick.
ES Extraer el dispositivo USB.
PT Retirar o suporte USB.

17 **IT** Alla riaccensione sul touch screen compare la seguente schermata. Confermare o modificare la configurazione della macchina, quindi premere l'icona ✔ per confermare.
EN When the touch screen turns on again, the following screen appears. Confirm or change the machine configuration, then push the ✔ icon to confirm.
FR Au rallumage, l'écran tactile affiche la page-écran suivante. Confirmer ou modifier la configuration de la machine, puis appuyer sur l'icône ✔ pour confirmer.
DE Beim Neustart erscheint auf dem Touchscreen folgende Bildschirmseite. Die Konfiguration der Maschine bestätigen oder ändern und danach das Symbol ✔ drücken, um zu bestätigen.
ES Al volver a encender en la pantalla táctil aparece la siguiente imagen de pantalla. Confirme o modifique la configuración de la máquina y a continuación presione el icono ✔ para confirmar.
PT Quando reinicia, aparece no ecrã tátil a seguinte janela. Confirmar ou modificar a configuração da máquina, depois premir o símbolo ✔ para confirmar.



18 **IT** N.B. Nel caso di sostituzione del cruscotto inserire anche il numero di matricola della macchina. Fare molta attenzione ad inserire il numero corretto, è possibile inserirlo una sola volta.
EN Note: In case of substitution of the control panel, enter the machine serial number as well. Take great care to insert the correct number, it can only be inserted once.
FR N.B. : En cas de remplacement du tableau de bord, entrer aussi le numéro de série de la machine. Faire très attention au moment de saisir le numéro correct, une seule tentative est autorisée.
DE Hinweis: Sollte die Geräteanzeige ausgewechselt werden, auch die Seriennummer der Maschine angeben. Besonders darauf achten, die richtige Nummer einzugeben, denn diese kann nur einmal eingegeben werden.
ES N.B. En caso de sustituir el salpicadero, introduzca también el número de matrícula de la máquina. Asegúrese atentamente de introducir el número correcto: solo se puede introducir una vez.
PT N.B. Em caso de substituição do painel, introduzir também o número de série da máquina. Prestar atenção para introduzir o número certo, só poder ser introduzido uma vez.

Legenda dei simboli utilizzati - Key to symbols used - Légende des symboles utilisés - Legende der verwendeten Symbole - Leyenda de los símbolos utilizados - Legenda dos símbolos utilizados

IT latte caldo - **EN** hot milk - **FR** lait chaud - **DE** Warme Milch - **ES** leche caliente - **PT** leite quente

IT secondo latte - **EN** second milk - **FR** deuxième lait - **DE** zweite Milchart - **ES** segunda leche - **PT** segundo leite

IT solubile - **EN** soluble - **FR** soluble - **DE** Instant - **ES** soluble - **PT** solúvel

IT numero solubili (configurabile da 1 a 2) - **EN** number of solubli (can be configured from 1 to 2) - **FR** nombre de solubli (configurable de 1 à 2) - **DE** Anzahl der Instant (konfigurierbar von 1 bis 2) - **ES** número solubli (configurable de 1 o 2) - **PT** número de solúvel (configurável de 1 a 2).

IT vapore - **EN** steam - **FR** vapeur - **DE** Wasserdampf - **ES** vapor - **PT** vapor

IT becco motorizzato - **EN** motorised nozzle - **FR** bec motorisé - **DE** Motorisierter Auslauf - **ES** boquilla a motor - **PT** bico motorizado

IT potenza ridotta - **EN** reduced power - **FR** puissance réduite - **DE** Reduzierte Leistung - **ES** potencia reducida - **PT** potência reduzida

IT cassetto fondi - **EN** grounds drawer - **FR** tiroir à marcs - **DE** Kaffeesatzschublade - **ES** cajón posos - **PT** a gaveta das borras

IT macchina in modalità self-service - **EN** machine in self-service mode - **FR** machine en mode self-service - **DE** maschine im selbstbedienungsmodus - **ES** máquina en modo self-service - **PT** áquina em modalidade self-service

IT versione macchina S15/Cimbali X15/Faema - **EN** machine version S15/Cimbali X15/Faema - **FR** version machine S15/Cimbali X15/Faema - **DE** version maschine S15/Cimbali X15/Faema - **ES** versión máquina S15/Cimbali X15/Faema - **PT** versão áquina S15/Cimbali X15/Faema

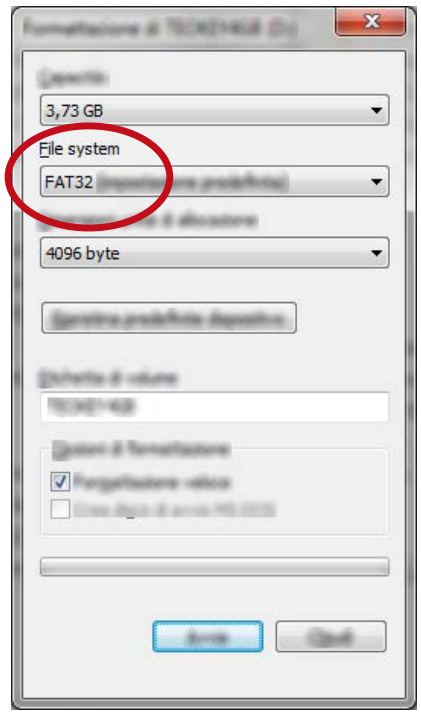
IT numero macinini (configurabile da 1 a 2) - **EN** number of grinders (can be configured from 1 to 2) - **FR** nombre de moulins (configurable de 1 à 2) - **DE** Anzahl der Mühlen (konfigurierbar von 1 bis 2) - **ES** número molinillos (configurable de 1 o 2) - **PT** número de moinhos (configurável de 1 a 2).

Test display touch tramite Pen Drive USB - Touch-display test USB Pen Drive
Test* écran tactile *USB - Test Touchscreen-display USB-Stick
Test pantalla táctil USB - Teste do visor tátil Pen Drive USB

English

1

IT Prendere una pen drive USB vuota.



Formattare una Pen Drive USB utilizzando il formato **FAT32**. Se si utilizza Windows, è sufficiente utilizzare le impostazioni di formattazione predefinite come mostrato nell'immagine.

Creare una cartella con nome **GC**, all'interno di questa cartella creare un file di testo con contenuto generico (es. "test") e salvarlo come TFTTest.cim

EN Take an empty USB pen drive.

Format a USB pen drive using the **FAT32** format. If using Windows, use the predefined formatting settings as shown in the image.

Create a folder named **GC**, in this folder create a text file with generic content (e.g. "test") and save it as TFTTest.cim

FR Prendre une clé USB vide.

Formater une clé USB en utilisant le format **FAT32.** En cas d'utilisation de Windows, il suffit d'utiliser les réglages de formatage prédéfinis comme illustré sur l'image.

Créer un dossier avec le nom **GC** ; à l'intérieur de ce dossier créer un fichier de texte avec un contenu générique (ex. « test ») et l'enregistrer sous TFTTest.cim

DE Einen leeren USB-Stick nehmen.

Einen USB-Stick im **FAT32**-Format formatieren. Wenn Windows verwendet wird, können die vordefinierten Einstellungen, wie in der Abbildung gezeigt, verwendet werden.

Einen Ordner mit dem Namen **GC** erstellen, in diesem Ordner eine Textdatei mit allgemeinem Inhalt (z.B. „Test") erstellen und als TFTTest.cim speichern.

ES Tomar una llave USB vacía.

Formatar una llave USB utilizando el formato **FAT32**. Si se utiliza Windows, es suficiente seleccionar las configuraciones de formateo predefinidas como se muestra en la imagen.

Crear una carpeta con el nombre **GC** y dentro de esta carpeta crear un archivo de texto con contenido genérico (p. ej. «test») y guardarlo como TFTTest.cim

PT Usar uma pen drive USB vazia.

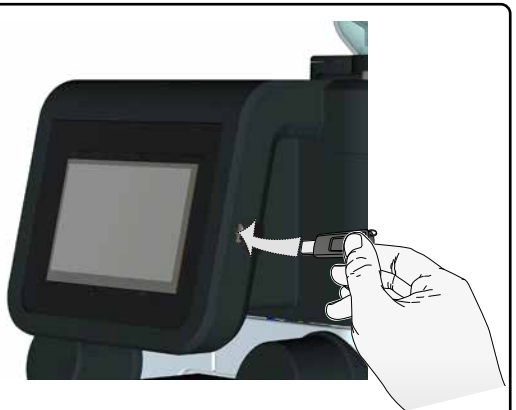
Formatar uma Pen Drive USB utilizando o formato **FAT32**. Se utiliza Windows, basta utilizar as configurações de formatação predefinidas, como ilustrado na imagem.

Criar uma pasta com o nome **GC**, no interior desta pasta, criar um ficheiro de texto com conteúdo geral (por ex. "teste") e guardá-lo como TFTTest.cim

English

Test display touch tramite Pen Drive USB - Touch-display test USB Pen Drive
Test écran tactile *USB - Test Touchscreen-display USB-Stick*
Test pantalla táctil USB - Teste do visor tátil Pen Drive USB

2

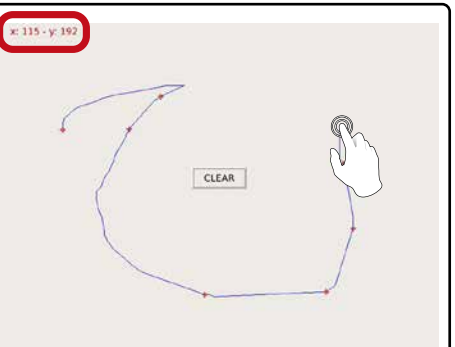


IT A macchina spenta inserire la chiavetta USB contenente il file.
EN With the machine off, insert the USB drive that contains the file.
FR La machine étant éteinte, insérer la clé USB qui contient le fichier.
DE Bei abgeschalteter Maschine den USB-Stick, auf dem die Datei enthalten ist, einstecken.
ES Con la máquina apagada, introducir la llave USB que contiene el archivo.
PT Com a máquina desligada, introduzir a chave USB que contém o ficheiro.

3

IT Riaccendere la macchina: alla riaccensione comparirà la seguente schermata.
EN Turn the machine on again: when on, the following screen will appear.
FR Rallumer la machine : au rallumage, la page-écran suivante apparaît.
DE Die Maschine wieder einschalten: Beim Einschalten erscheint die folgende Seite.
ES Volver a encender la máquina: una vez encendida aparecerá la siguiente pantalla.
PT Ligar de novo a máquina: quando reinicia aparece a seguinte janela.

4

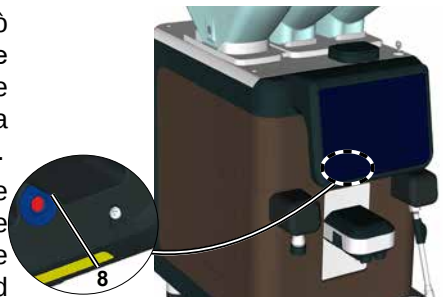


IT In alto a sinistra dello schermo vengono riportate le coordinate del punto. La verifica del corretto funzionamento avviene trascinando il dito sullo schermo. Se non compaiono i puntini rossi o le linee blu come rappresentato in figura, oppure se compaiono senza toccare lo schermo o in punti diversi da quello toccato il touchscreen non funziona correttamente. Al termine dell'operazione spegnere la macchina e rimuovere la chiave USB.
EN The coordinates for the point are shown in the top left of the screen. Check for proper functioning by sliding a finger across the screen. If red dots or blue lines do not appear as shown in the figure, or if they appear without the screen being touched or in places other than where the screen was touched, the touch screen is not functioning properly. At the end of the operation, turn off the machine and remove the USB drive.
FR Les coordonnées du point apparaissent en haut à gauche de l'écran. La vérification du bon fonctionnement se fait en faisant glisser le doigt sur l'écran. Si les petits points rouges ou les lignes bleues n'apparaissent pas telles qu'ils sont représentés sur la figure, ou bien s'ils apparaissent sans toucher l'écran ou dans des points différents de celui qui a été touché, l'écran tactile ne fonctionne pas correctement. Au terme de l'opération, éteindre la machine et retirer la clé USB.
DE Oben links auf der Seite werden die Koordinaten des Punktes angegeben. Die Überprüfung der korrekten Funktion erfolgt durch Ziehen des Fingers über den Bildschirm. Wenn keine roten Punkte oder blauen Linien wie in der Abbildung dargestellt erscheinen oder wenn diese ohne Berühren des Bildschirms erscheinen oder an anderen Stellen, als der berührten Stelle am Touchscreen erscheinen, ist die Funktion nicht korrekt. Nach beendetem Vorgang die Maschine abschalten und den USB-Stick entfernen
ES La parte superior izquierda de la pantalla muestra las coordenadas del punto. La prueba del correcto funcionamiento se realiza arrastrando un dedo sobre la pantalla. Si no aparecen los puntitos rojos o las líneas azules como se muestra en la figura, o si aparecen sin tocar la pantalla o en puntos distintos del que se ha tocado, la pantalla táctil no funciona correctamente. Al terminar la operación, apague la máquina y extraiga la llave USB.
PT No canto superior esquerdo do ecrã são apresentadas as coordenadas do ponto. A verificação do funcionamento correto ocorre deslizando o dedo sobre o ecrã. Se não aparecerem os pontos vermelhos ou as linhas azuis como representado na figura, ou se aparecerem sem tocar no ecrã ou em pontos diferentes do que tocou, o ecrã tátil não funciona corretamente. Ao concluir a operação, desligar a máquina e remover a chave USB.

Test display touch modalità "sleep mode"- Touch-display test "sleep mode" -
Test écran tactile « sleep mode » (Mode Veille) - Test Touchscreen-Display Modus „Sleep Mode“
Test display touch modalità "sleep mode" - Teste do ecrã tátil modalidade "sleep mode"

English

1



IT La funzione può essere attivata all'accensione macchina premendo il pulsante "Sleep mode" (**8**) situato nella parte posteriore del pannello.

EN This function can be activated when the machine is turned on by pressing the Sleep Mode button (8) located on the rear of the panel.

FR La fonction peut être activée à l'allumage de la machine en appuyant sur la touche « Mode veille » (**8**), située sur la partie postérieure du panneau.

DE Die Funktion kann beim Einschalten der Maschine aktiviert werden, indem die Taste „Sleep Mode“ (**8**) an der Rückseite des Paneels gedrückt wird.

ES La función se puede activar al encender la máquina presionando el botón "Sleep mode" (**8**) situado en la parte trasera del panel.

PT A função pode ser ativada ao ligar a máquina, premindo o botão "Sleep mode" (**8**) situado na parte de trás do painel.

2

IT Appena compare il logo macchina con l'icona orologio premere due volte in rapida successione il pulsante “Sleep mode" (**8**).

EN As soon as the logo with the clock icon appears, press the “Sleep Mode” (**8**) button twice in quick succession.

FR Dès que le logo de la machine apparaît avec l'icône horloge, appuyer rapidement deux fois de suite sur la touche « Mode veille » (**8**).

DE Sobald das Logo der Maschine mit dem Uhrsymbol erscheint, zweimal schnell hintereinander die Taste „Sleep Mode“ (**8**) drücken.

ES En cuanto aparece el logotipo de la máquina con el icono del reloj, presionar dos veces en sucesión rápida el botón "Sleep mode" (**8**).

PT Assim que aparece o logótipo da máquina com o símbolo do relógio, premir duas vezes rapidamente o botão “Sleep mode" (**8**).

3

IT L’icona orologio cambia stato ad ogni pressione e rimarrà rossa quando il comando è stato recepito.

EN The clock icon changes modes each time the button is pressed and will remain red when the command has been accepted.

FR L'icône horloge change de statut à chaque pression et reste rouge quand la commande a été reçue.

DE Das Uhrsymbol ändert seinen Zustand bei jedem Tastendruck und bleibt rot, wenn der Befehl empfangen wurde.

ES El icono del reloj cambia de estado cada vez que se presiona y se pone rojo cuando ha ejecutado el mando.

PT O símbolo do relógio muda de estado cada vez que o prime e fica vermelho quando o comando é aplicado.

4

IT Comparirà la seguente schermata di test.

EN The following test screen will appear.

FR La page de test suivante s'affiche.

DE Es erscheint der folgende Testbildschirm.

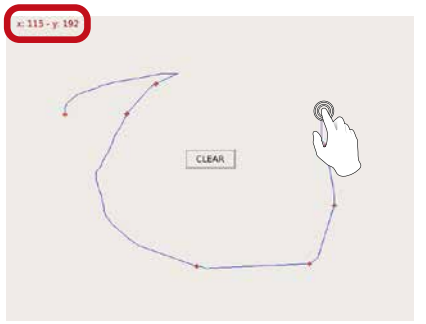
ES Aparecerá el siguiente esquema de test.

PT Aparece a seguinte página de teste.

Test display touch modalità "sleep mode" - Touch-display test "sleep mode"
Test écran tactile « sleep mode » (Mode Veille) - Test Touchscreen-Display Modus „Sleep Mode“ -
Test del visualizador de pantalla táctil en modo "sleep mode" - Teste do ecrã tátil modalidade "sleep mode"

English

5 **IT** In alto a sinistra dello schermo vengono riportate le coordinate del punto. La verifica del corretto funzionamento avviene trascinando il dito sullo schermo. Se non compaiono i puntini rossi o le linee blu come rappresentato in figura, oppure se compaiono senza toccare lo schermo o in punti diversi da quello toccato il touchscreen non funziona correttamente. Al termine dell'operazione spegnere la macchina ripremendo il pulsante "Sleep mode" (**8**).



EN The coordinates for the point are shown in the top left of the screen. Check for proper functioning by sliding a finger across the screen. If red dots or blue lines do not appear as shown in the figure, or if they appear without the screen being touched or in places other than where the screen was touched, the touch screen is not functioning properly. When the steps are complete, turn the machine off by pressing the "Sleep Mode" button (**8**) again.

FR Les coordonnées du point apparaissent en haut à gauche de l'écran. La vérification du bon fonctionnement se fait en faisant glisser le doigt sur l'écran. Si les petits points rouges ou les lignes bleues n'apparaissent pas telles qu'ils sont représentés sur la figure, ou bien s'ils apparaissent sans toucher l'écran ou dans des points différents de celui qui a été touché, l'écran tactile ne fonctionne pas correctement. Au terme de l'opération, éteindre la machine en appuyant de nouveau sur la touche « mode Veille » (**8**).

DE Oben links am Bildschirm werden die Koordinaten des Punktes angegeben. Die Überprüfung der korrekten Funktion erfolgt durch Ziehen des Fingers über den Bildschirm. Wenn keine roten Punkte oder blauen Linien wie in der Abbildung dargestellt erscheinen oder wenn diese ohne Berühren des Bildschirms erscheinen oder an anderen als der berührten Stelle erscheinen, funktioniert der Touchscreen nicht einwandfrei. Am Ende des Vorgangs die Maschine durch erneutes Drücken der Taste „Sleep Mode“ (**8**) ausschalten.

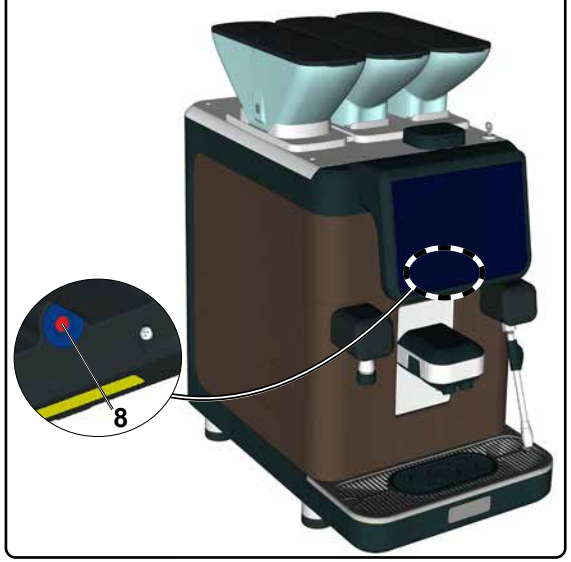
ES La parte superior izquierda de la pantalla muestra las coordenadas del punto. La prueba del correcto funcionamiento se realiza arrastrando un dedo sobre la pantalla. Si no aparecen los puntitos rojos o las líneas azules como se muestra en la figura, o si aparecen sin tocar la pantalla o en puntos distintos del que se ha tocado, la pantalla táctil no funciona correctamente. Al terminar las operaciones de limpieza, apague la máquina presionando de nuevo el botón “Sleep mode” (**8**).

PT No canto superior esquerdo do ecrã são apresentadas as coordenadas do ponto. A verificação do funcionamento correto ocorre deslizando o dedo sobre o ecrã. Se não aparecerem os pontos vermelhos ou as linhas azuis como representado na figura, ou se aparecerem sem tocar no ecrã ou em pontos diferentes do que tocou, o ecrã tátil não funciona corretamente. No fim da operação, desligar a máquina premindo novamente o botão "Sleep mode" (**8**).

Full shut-down procedure

1

Press the Sleep Mode button (**8**), located on the rear of the panel:



2

The following screen is displayed on the touch screen:

Push the icon.

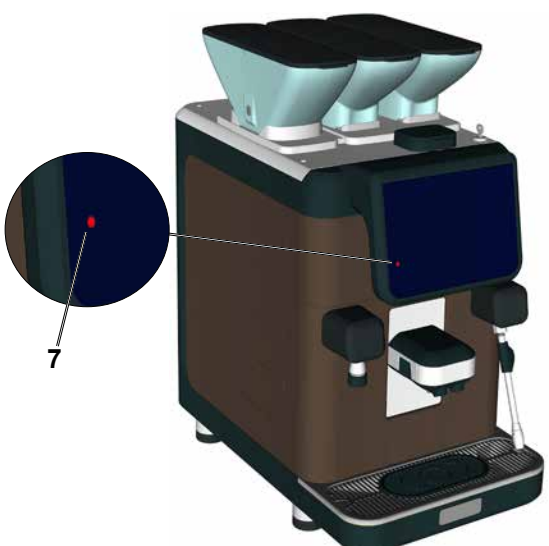
3

The screen shown below is displayed briefly, then the machine will switch off:

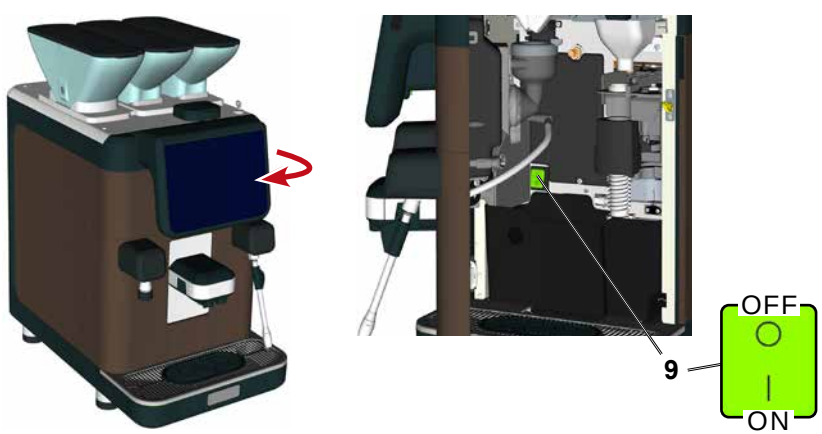
The icon can be pushed for immediate switch-off, or the icon can be pushed to cancel the operation.

4

The red LED remains lit (**7**):



5



Fully shut down the machine pressing the main switch (**9**) into **OFF** position.

English

Technical programming

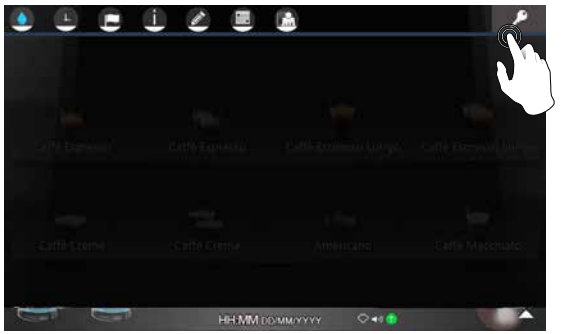
1. Programming Access

English

1

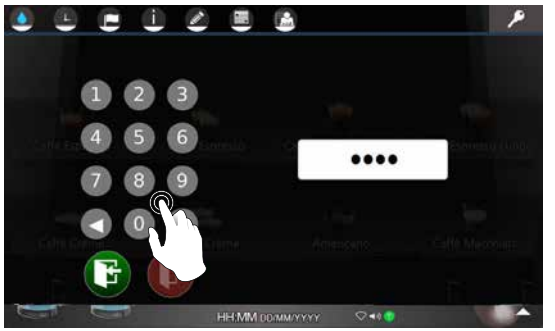
Access the drop-down menu.

2



Press the icon  .

3



Enter the Technician password:

4

Press the icon  .

5

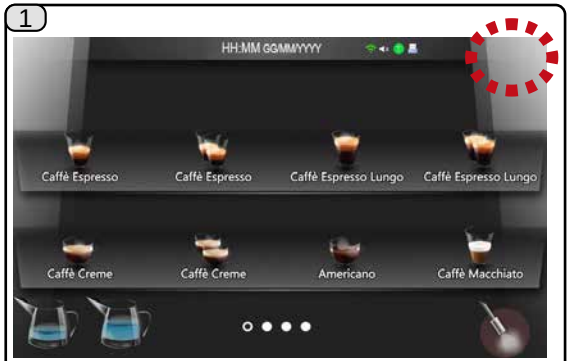
The  icon indicates that the machine is in Technical Programming mode:

NOTE: The green icon  allows the technical password to be entered with the keyboard;
Return to the previous menu or exit the programming menu by pressing the  icon.

1. Access to SELF configuration programming

Machines configured in the Self version lack direct access to the drop-down menu. Therefore, access to technical programming occurs as described below:

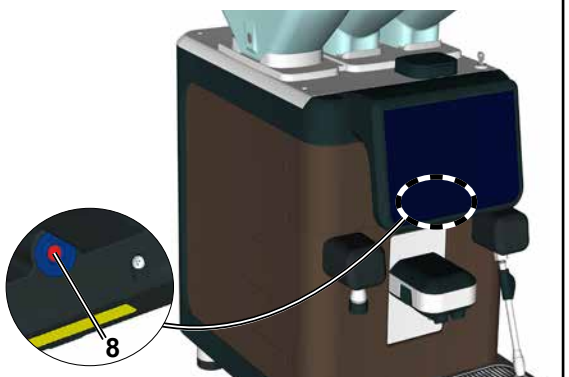
1



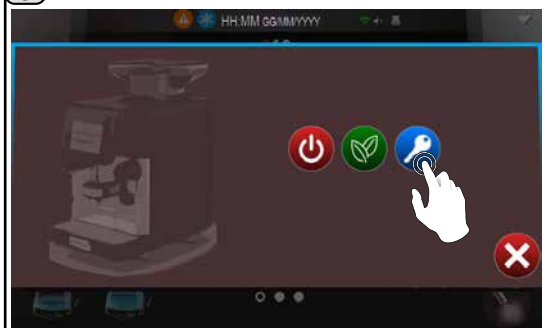
Lack of drop-down menu.

2

Press the “Sleep mode” button (**8**), found in the back of the panel:



3



Press the icon  .

4

Enter the Technician password:

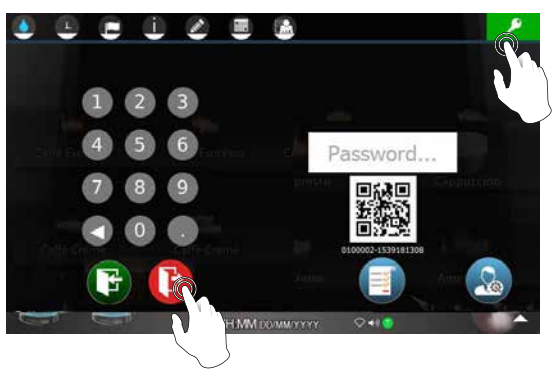
Press the icon  .

5

The  icon indicates that the machine is in Technical Programming mode:

6

To leave programming, press the green symbol at the top right and then the red icon  :



English

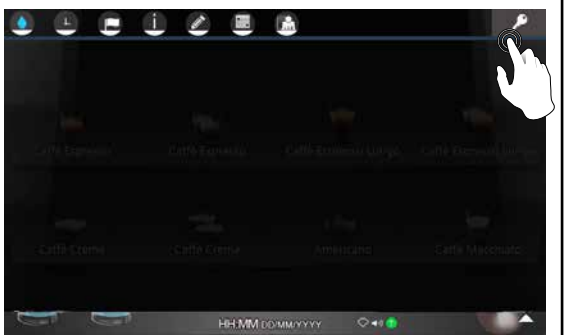
1. Access to advanced technician programming

The advanced technician programming section can be accessed as described below:

1

Access the drop-down menu.

2



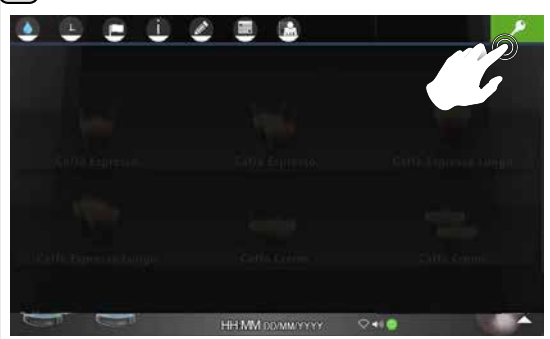
Press the icon :

3

Enter the Technician password:

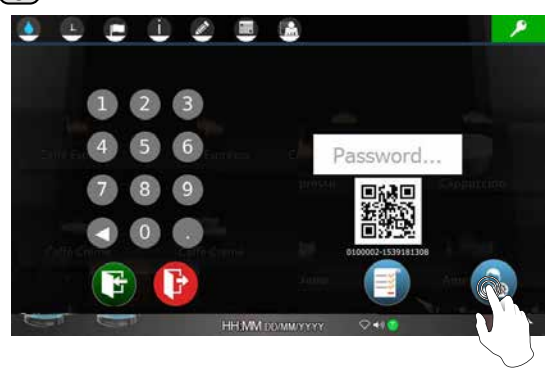
Press the icon :

4



To enter the advanced Technician programming mode, press the icon at the top right-hand corner:

5



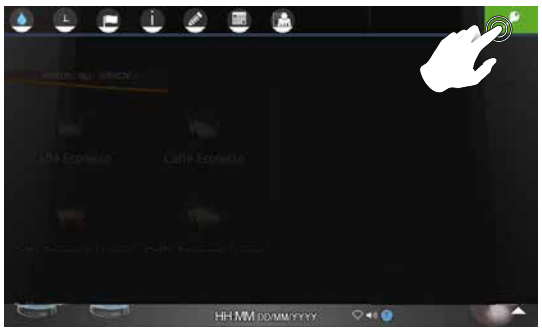
Press the icon :

6

The icon indicates that the machine is in the advanced Technician programming mode:

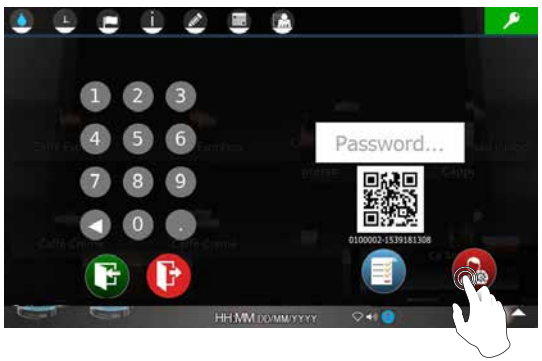
1. Access to advanced technician programming

7



To exit the advanced Technician programming mode, press the icon in the top right-hand corner:

8



Press the icon :

9

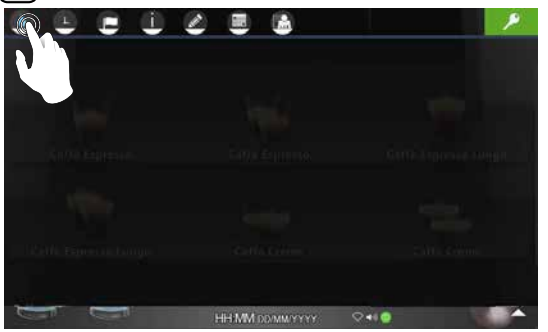
The icon T indicates that the machine is in Technician programming mode:

2 Washes Menu:

The machine includes various types of wash cycles:

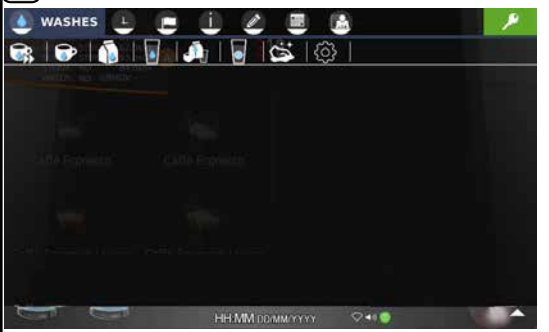
- SHORT GROUP WASH
- GROUP WASH
- MILK WASH
- SOLUBLES WASH
- COMPLETE WASH
- SOLUBLES WASH INFO
- SCREEN CLEANING
- WASHING OPTIONS

1



Select the icon to see the associated menu.

2

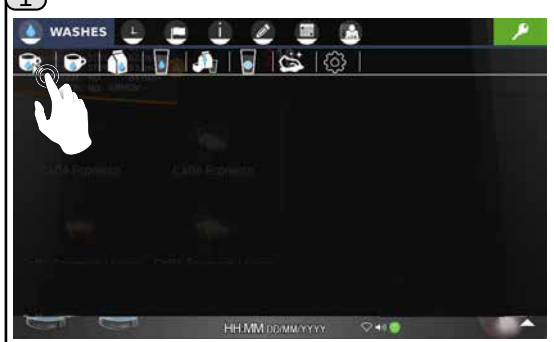


NOTE: moving the switch , visible during washing cycles, makes it possible to establish whether the machine must be switched off at the end of the cycle:
red background (pre-set): the machine continues to operate;
green background: the machine switches off.

2.1 Short Group Wash

SHORT GROUP WASH (duration, approx. 1')

1



Select the icon for short group wash.

2

Press the icon to start the wash cycle.

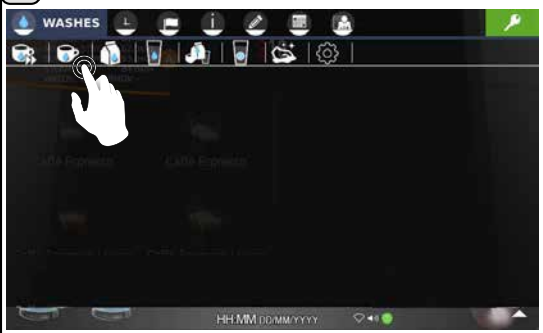
3

On the touch screen the short group wash symbol appears, and remains visible for the entire cycle. This stage ends when the progress bar below is filled.

2.2 Group Wash Menu

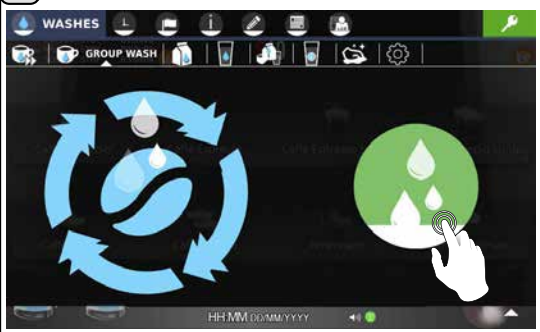
GROUP WASH (duration, approx. 3')

1



Select the icon for group wash.

2



Press the icon .

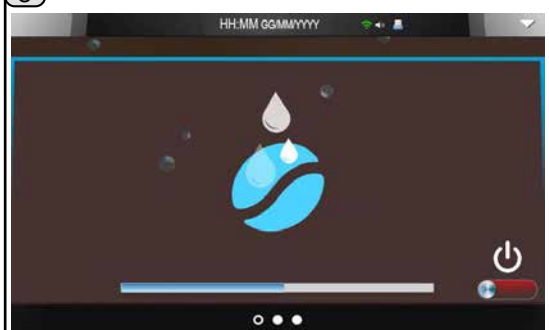
3

Place a washing tablet into the group chamber as illustrated.

4

After closing the decaf door, press the icon to start the wash cycle.

5



On the touch screen the group wash symbol appears, and remains visible for the entire cycle. This stage ends when the progress bar below is filled.

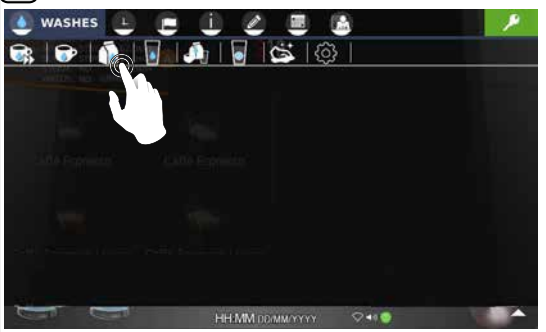
Note: if washing is interrupted, the machine will be blocked until it is completed.

English

2.3 Milk Wash Menu

MILK WASH (duration, approx. 4')

1

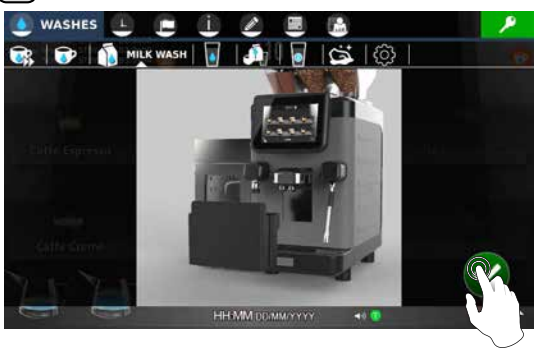


Select the icon for the milk circuit wash.

2

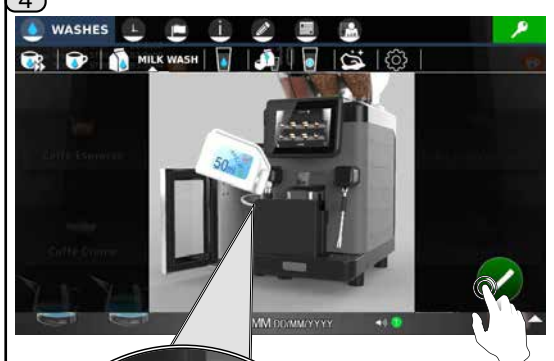
Press the icon .

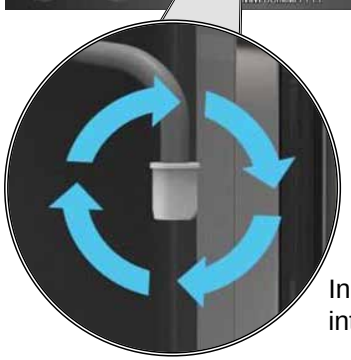
3



The steps for performing a milk wash are shown on the touch screen; at the end of each phase, press the icon .

4





Insert the milk tube into the tank.

5

6

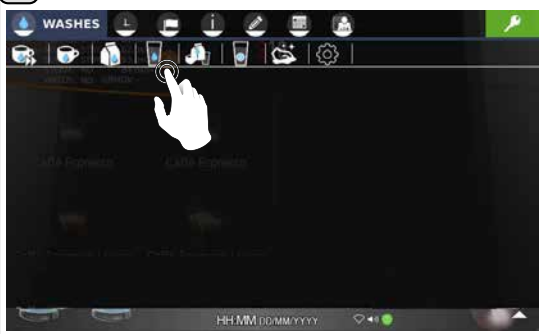
On the touch screen the milk circuit wash symbol appears, and remains visible for the entire cycle. This stage ends when the progress bar below is filled.

Note: if washing is interrupted, the machine will be blocked until it is completed.

2.4 Solubles Wash Menu

SOLUBLES WASH (duration, approx. 30")

1



Select the icon for the solubles circuit wash.

2

Press the icon to start the wash cycle.

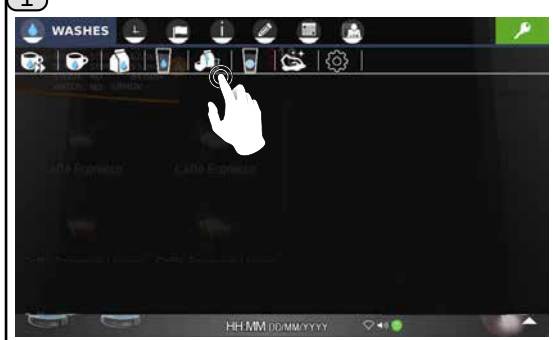
3

On the touch screen the solubles wash symbol appears, and remains visible for the entire cycle. This stage ends when the progress bar below is filled.

2.5 Complete Wash Menu

COMPLETE WASH (duration, approx. 16')

1

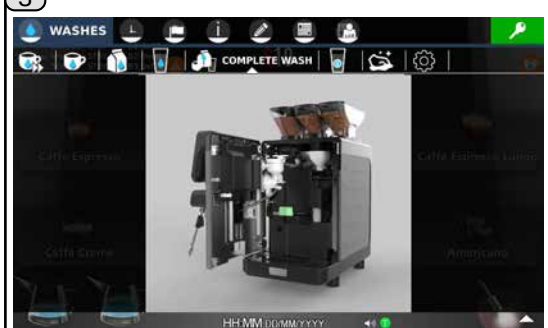


Select the complete wash icon .

2

Press the icon to start the wash sequence.

3



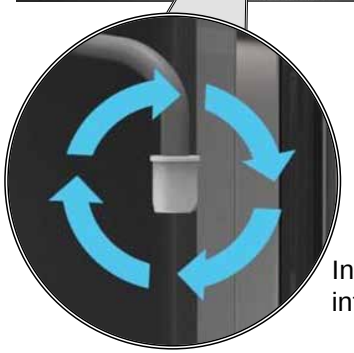
The procedure for washing the coffee circuit is shown on the touch screen and ends after the front panel door is closed.

English

2.5 Complete Wash Menu

4

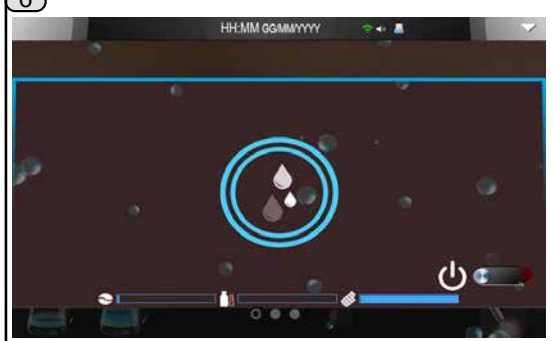
The steps for performing a milk wash are shown on the touch screen; at the end of each phase, press the icon ✓.



Insert the milk tube into the tank.

5

6



After all the instructions, the touch screen shows the start screen of the complete wash.
NOTE: additional instructions regarding mixer cleaning are found in the "Cleaning and maintenance" section.

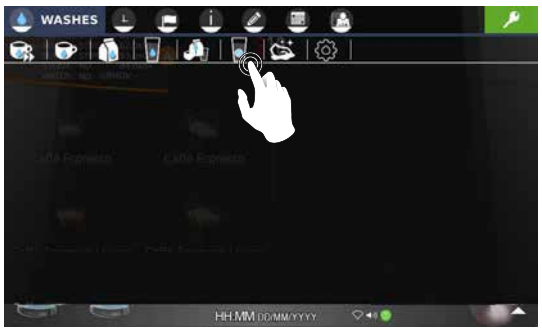
2.6 Solubles Wash INFO

CLEANING THE SOLUBLES CIRCUIT (WHERE PRESENT)

CLEANING THE MIXER - Maintenance to be performed every 7 days

SOLUBLES WASH INFO

1

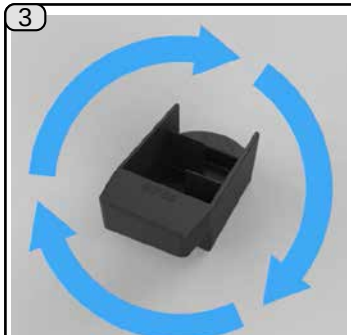


Select the icon for information about the solubles circuit wash.

2

The sequence for cleaning is shown on the touch screen. After completing each step, press the icon.

3



- Place ½ litre of cold water in the container and add a dose of liquid detergent (see product instructions).
- Wash the part, removing any organic residue with a sponge.
- Soak the part in the solution (water + detergent) for at least 15 minutes.
- Remove the part from the solution and rinse.

4

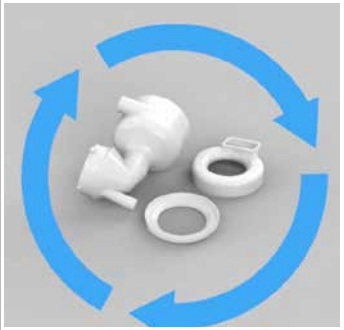
Replace the part and press the icon.

5

The sequence for cleaning the mixer is shown on the touch screen. After completing each step, press the icon.

English

6



- Mettere in un recipiente ½ litro di acqua fredda e versare una dose di detergente liquido (vedere istruzioni del prodotto).
- Lavare le singole parti, rimuovendo con una spugna eventuali residui organici presenti.
- Immergere tutte le parti del mixer nella soluzione (acqua - detergente) per almeno 15 minuti.
- Togliere tutte le parti dalla soluzione e sciacquare.

7

Replace all the parts and press the icon.

8

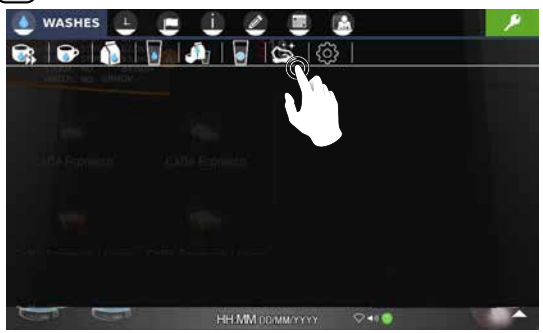
After all the instructions, the touch screen shows the start of the solubles circuit wash.
NOTE: additional instructions regarding mixer cleaning are found in the "Cleaning and maintenance" section.

Press the icon to start the wash cycle.

2.7 Screen Cleaning Menu

SCREEN CLEANING

1



Select the icon related to cleaning the touch screen.

2

Press the icon displayed at the centre of the screen.

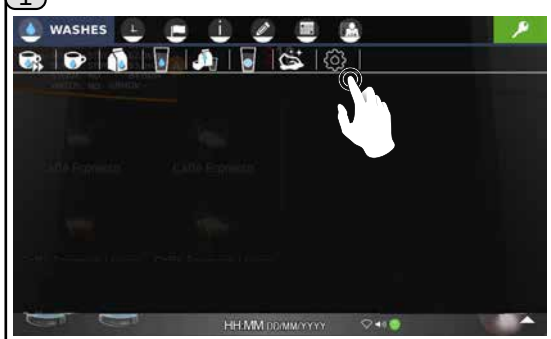
3

A 15-second countdown will begin in which to clean the touch screen.

2.8 Washing Options Menu:

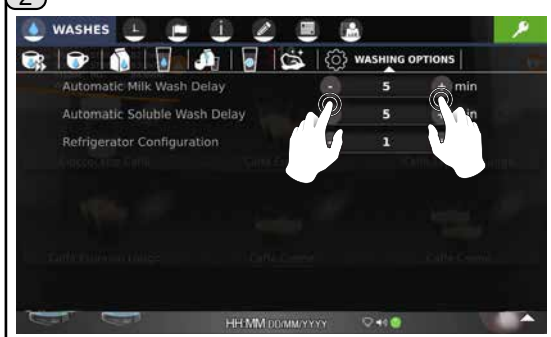
WASHING OPTIONS

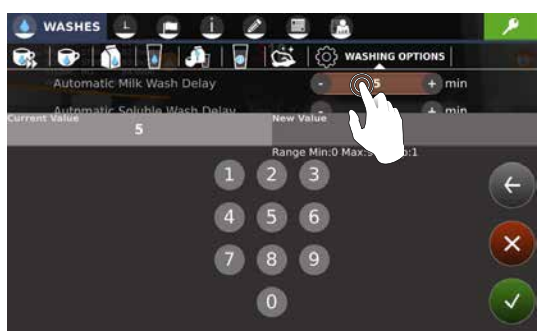
1



Select the icon for the wash options.

2

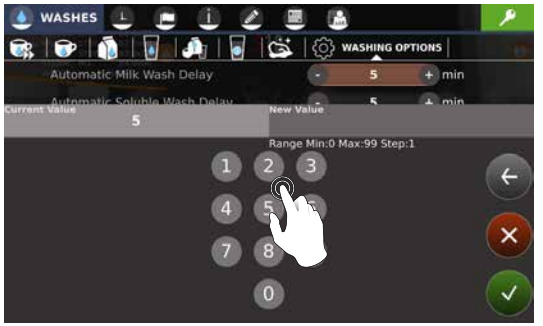




The values of individual wash parameters can be changed using the keys. Alternatively, when a value is pressed, the alphanumeric keyboard appears and the desired value can be inserted and confirmed with the key.
NOTE: when the keyboard is used to insert values, the min/max values allowed can be seen.

English

3



Automatic Milk Wash Delay - (wash delay time, from the min/max that can be set*).*

Automatic Soluble Wash Delay - *(*wash delay time, from min/max that can be set*).*

Refrigerator configuration - refrigerator configuration parameter allows selection of installation type, with the fridge 1 on the side or 2 under the machine. This affects the videos used for the milk wash execution sequence.

2.9 Pre-set Automatic Wash

AUTOMATIC WASHING OF MILK AND SOLUBLE CIRCUITS (duration, approx. 30")

NOTE. Activation and configuration of these washes are carried out by the installation technician.

With this function activated, every time milk or soluble dispensing is completed, the time counter starts counting (0-99'). After completing this, the display shows the screen indicating the seconds remaining before the wash cycle begins:

The cycle activates automatically after 30".
During this interval:

- if the ✓ key is pressed, the automatic wash is done immediately;
- if the ✗ key is pressed, the wash is postponed. During this interval:
  - if a dispensing key other than milk/soluble is pressed, the counter will start again from the minute after dispensing is completed;
  - if a milk/soluble dispensing key is pressed, the counter will start again from the maximum time (0-99').

AUTOMATIC PRE-SET WASH only for machines with cappuccino maker (duration, approx. 30")

In addition to the previous washes, there is also the wash known as NSF.

Operation: Every time milk dispensing is completed, the time counter starts (210'). When the ends, the display shows the screen indicating the time before the wash cycle will begin:

Activation: it activates automatically after 30".
During this interval:

- if the ✓ key is pressed, the automatic wash is done immediately;
- if the ✗ key is pressed, the wash is postponed. During this interval:
  - if a coffee dispensing key is pressed, the counter will start again from the minute after dispensing is completed;
  - if a milk/cappuccino dispensing key is pressed, the counter will start again from the maximum time (210').

Wash type: with water, completely automatic.

Special conditions

1) *<u>every wash cycle with detergent (at set hours) or of daily type:</u>*
in this case, the entire circuit is washed. Therefore, until the first milk-based dispensing is done, the circuit is believed to be free of any residual milk and the time counter (210') does not start.

2) *<u>every machine switch-off with time counter (210') running:</u>*
the next switch-on, if 210' have passed, the machine starts the pre-set automatic wash cycle once the service temperature is reached.

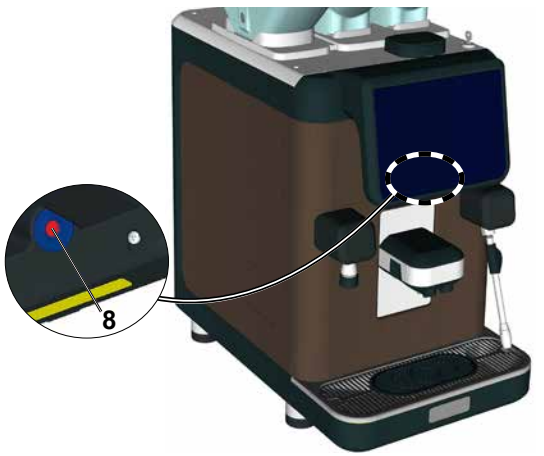
English

WASHING FOR SELF MACHINES

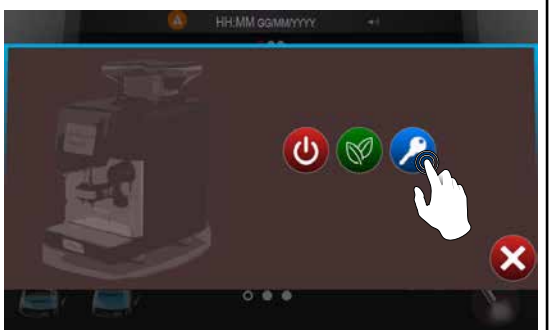
Machines configured in *Self* mode lack direct access to the drop-down menu. Therefore, *when washing is required*, programming is accessed as follows:

1

2 Press the Sleep Mode button (**8**), located on the rear of the panel:

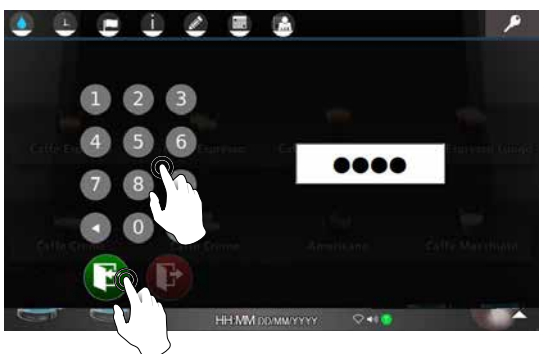


3 The following screen is displayed on the touch screen:



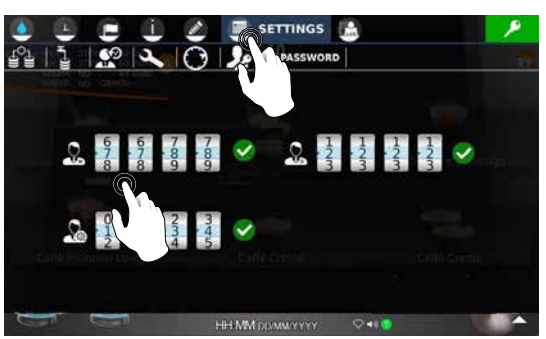
Push the icon.

4 The access key appears on the touch screen:



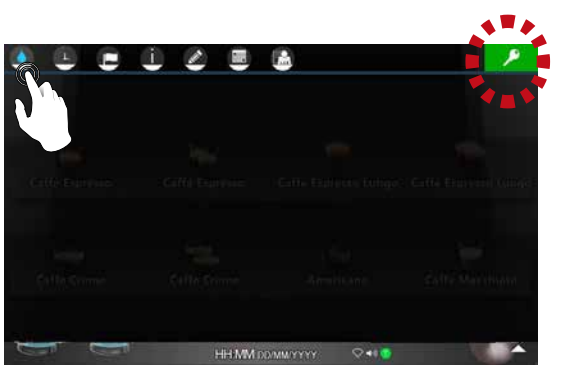
Insert the password (*) and confirm with the green icon .

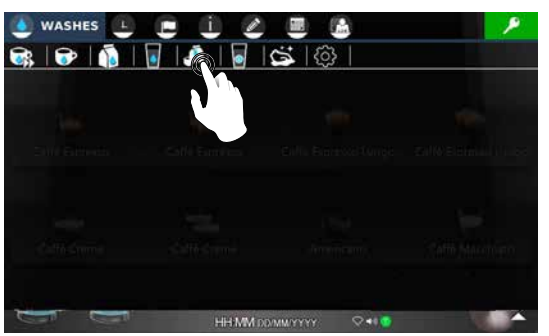
(*) In programming menu, is possible to change the access password through the dedicated menu:



5 Access to programming is confirmed by the green symbol in the top right.

At this point, it will be possible to access the washing menu, select the icon of the requested wash and perform it:



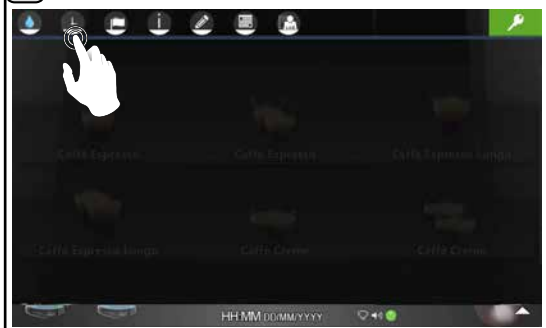


3. Service time menu

The TIME menu includes:

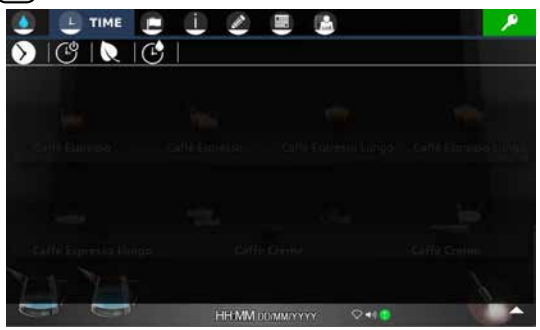
- DATE AND TIME
- OPERATING HOURS
- ENERGY SAVING
- WASH

1



Select the icon to see the associated menu.

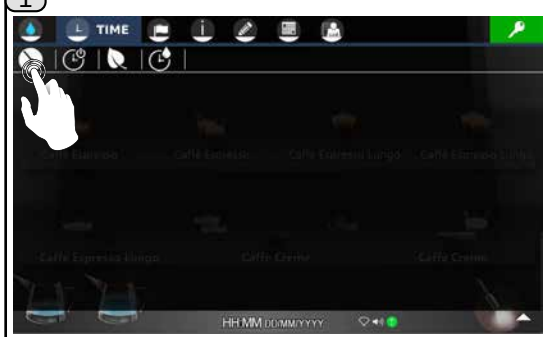
2



3.1 Date and Time Menu

DATE AND TIME

1



Select the icon for the "*DATE AND TIME*" menu.

2

Set the date and time and confirm with the icon .

3

NOTE: Date and time can be automatically synchronized through connection to a Network Time Protocol (NTP) server, if the machine is connected to the internet via WiFi.
NOTE: not active in products intended for the Japanese and Korean markets.

NOTE: If the machine is connected to the Internet, press the icon to find the machine's location and then automatically set the correct time zone on the basis of the geographic location.

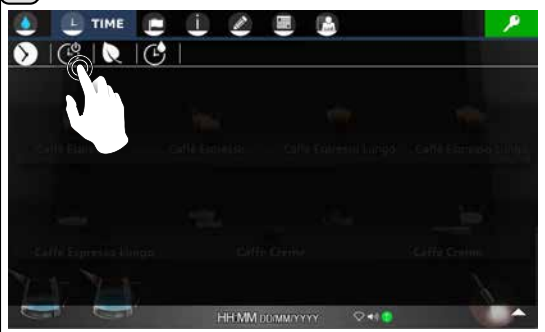
English

3.2 Service Menu:

OPERATING HOURS

This function makes it possible to set machine start-up and switch-off times for individual days of the week.

1

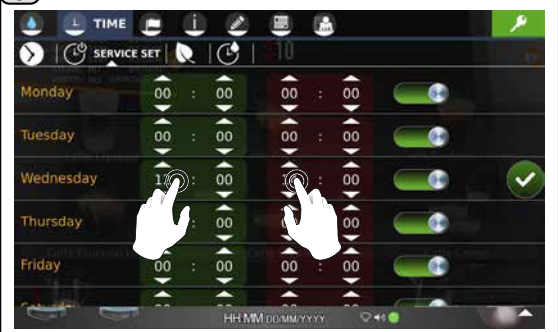


Select the icon for the "*OPERATING HOURS*" menu.

2

The pre-set settings are shown.

3



Set the switch-off time (with red background 04 : 00) and start-up time (with green background 12 : 00) as desired, and confirm with the icon.

NOTE: moving the switch from the green to the red background disables the function; day closed.

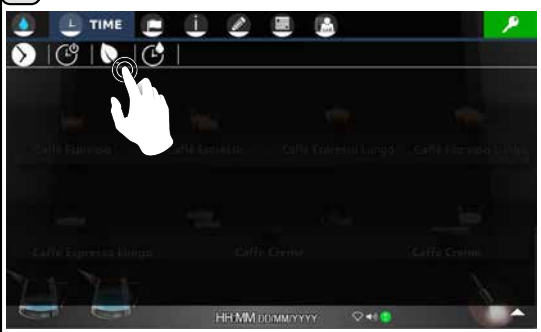
If the same time is set for 00 : 00 start up and switch-off 00 : 00 the machine will always remain on.

3.3 Energy Saving Menu

ENERGY SAVING

During this phase, the machine is in stand-by mode and maintains the following heat setting:
- boiler pressure is 1 bar lower than the set pressure, with a minimum of 0.2 bar;

1



Select the icon for the "*ENERGY SAVING*" menu.

2

The pre-set settings are shown.

Enable the function for the relevant days, moving the switch from the red to the green background.

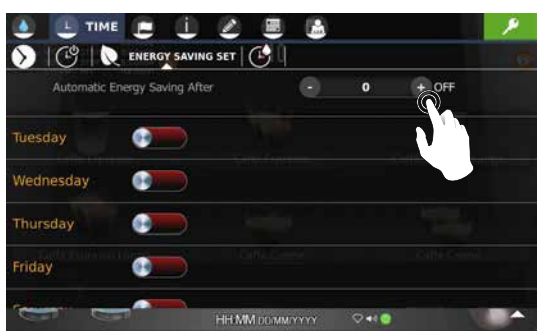
3

Set the start-up time (with green background 12 : 00) and switch-off time (with red background 04 : 00) as desired, and confirm with the icon.

4

When the function is active, the Energy Saving display is shown on the touch screen.

Normal machine operation can be restored by touching the touch screen.



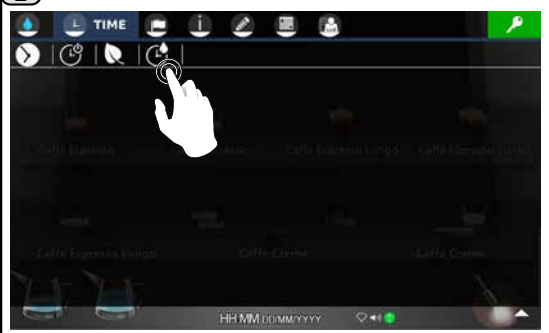
The "*Automatic Energy Saving after*" option means this mode can be set to take effect after a certain number of minutes, as chosen by the user.

3.4 Washes Time Menu:

WASH TIMES

It is the menu for setting the time of the wash requests.
When inserted, they carry out washes as described in the "Wash" section.

1



Select the icon for the "*WASH TIMES*" menu.

2

The pre-set settings are shown.
Wash 1 cannot be deactivated and carries out a complete wash.
It is requested daily at the programmed time and always 24 hours after the last request.

3

The user can only change the wash times according to their needs. When the operation is done, confirm the selection with the icon.

3.4 Washes Time Menu:

Options that can be set.

- enabling from 2 to 5 washes, selecting between:

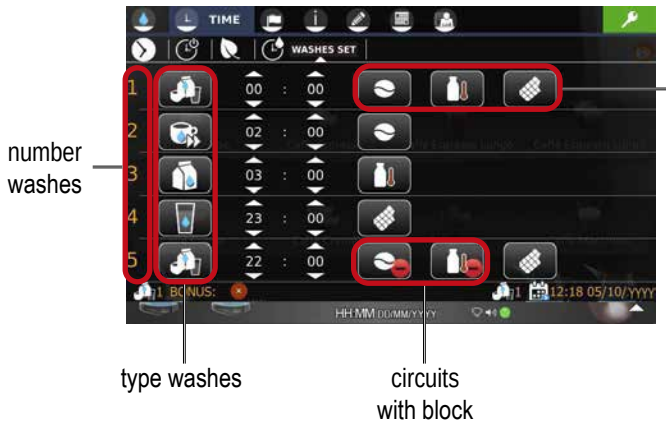
short group wash, group wash, milk wash, solubles wash, complete wash, disabled.

NOTE: dispensing can be set to be blocked if a wash is not carried out within one hour of the request message appearing.

In this case, the icons (coffee circuit, milk circuit, solubles circuit) show the sign. If the wash is not carried out, all selections containing that beverage are blocked.

EXAMPLE.

The icon shown below indicates that the coffee circuit is blocked.
If group wash is not carried out by the time established, all coffee based beverages will be blocked.
After one hour the wash request message is no longer shown. If a coffee based beverage is selected, the block screen appears.
Perform the wash to return to normal operating conditions.



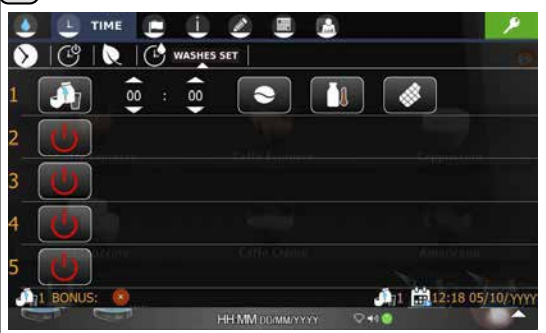
English

3.4 Washes Time Menu:

BONUS  ***FUNCTION***

The bonus function is connected to performing the wash 1.
If the operator carries out the cycle before the hour set for the wash, the green icon appears (bonus).
This means that at the set time the machine will not request anything. It will remember the wash cycle performed and cancel the bonus, changing the green icon to a red icon.

1



A wash is done before the scheduled time: 00:00.

2

At the end of the wash cycle, the red icon turns to a green icon (bonus). The time of the next wash is moved forward by 24h.

3

At the time set for the wash (00:00), the bonus is cancelled (the green icon changes to the red icon).
The time of the next wash is rescheduled for 00:00.

NOTE: the date and time indicated below () refer to the next scheduled complete wash (wash 1).

NOTE: when switched off, the machine is not operational and pre-programmed scheduled washes will not be performed. Therefore, if the machine is off at the scheduled time for wash 1, it will not be counted or requested.

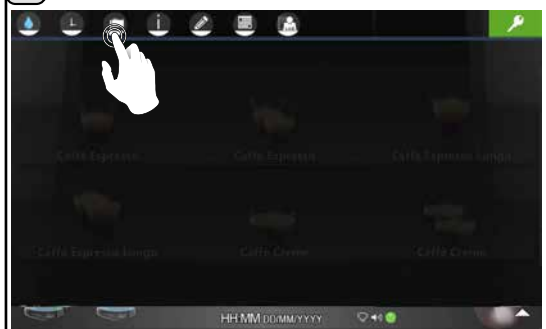
If an unscheduled complete wash is performed, the bonus and its corresponding time are recorded.
At the scheduled time for wash 1, the machine will check for a bonus wash, but will only count it as valid if it was performed within the previous 24 hours.

4. Language Selection Menu

The LANGUAGE menu includes the languages for the menus, the measurement units and the time and date format:

NOTE: in addition to the languages available on the machine, it is possible to enable a custom language which can be configured through the PlatOne platform.

1



Select the icon, relative to the "*LANGUAGE*" menu.

2

Set the menu language, measurement units (temperature and pressure) and formats (date and time) desired; confirmation is immediate.

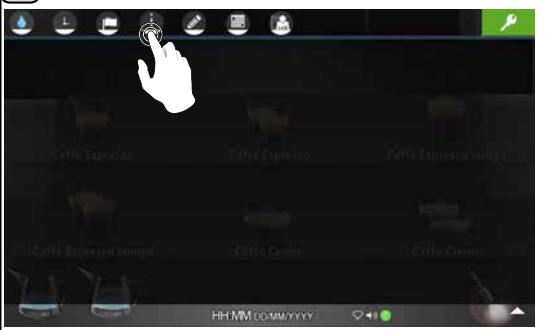
English

5. INFO menu

The INFO menu includes:

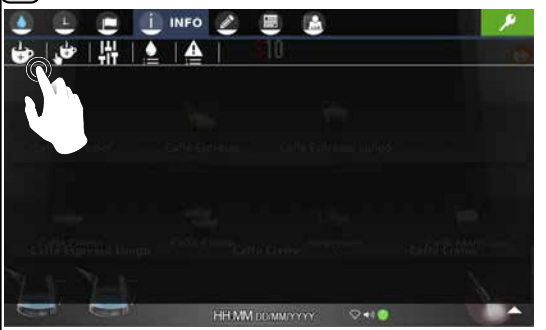
- COUNTERS
- SELECTION COUNTERS
- MACHINE DATA
- WASH HISTORY
- FAULT HISTORY

1



Select the icon, relative to the "*INFO*" menu.

2



5.1 Counters Menu:

COUNTERS

1

Select the icon for the "*COUNTERS*" menu. The items that are counted are shown. Press the symbol for several seconds to reset the counters.

2

Key of items counted:

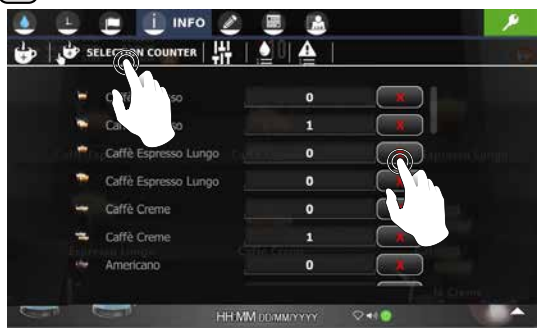
- total coffee
- total partial coffee
- hot milk
- cold milk
- solubles 1
- solubles 2
- water
- steam
- total coffee doses grinder 1
- total coffee doses grinder 2
- group motor activation
- milk pump motor activation
- quantity of ground coffee in g/s grinding machine 1
- quantity of ground coffee in g/s grinding machine 2

- quantity of soluble powder 1 in g
- quantity of soluble powder 2 in g
- total ON time
- time since last start up

5.2 Selection Counters Menu

SELECTION COUNTERS

1



Select the icon for the "*SELECTION COUNTERS*" menu.
The number of dispensing actions done with the individual selections is shown.

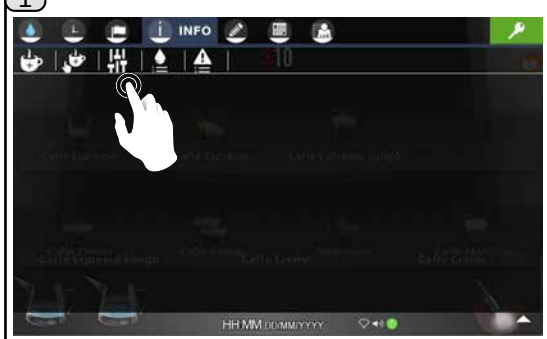
2

NOTE: push down on the X symbol on the relevant counter for a few seconds to reset it.
Push down on the X symbol on any counter which is already at zero for a few seconds in order to reset all counters.

5.3 Machine Data Menu

MACHINE DATA

1



Select the icon for the "*MACHINE DATA*" menu.

2

The characteristics of the machine are shown on the touch screen.

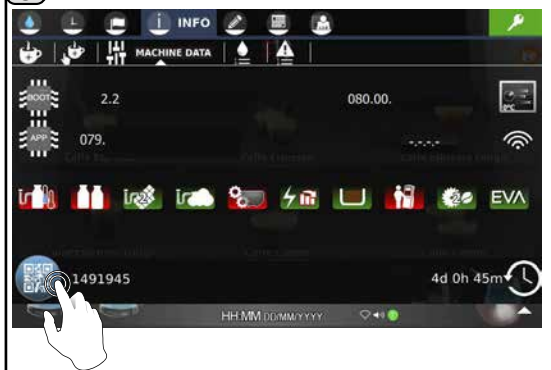
machine enabled characteristics.

machine disabled characteristics.

English

5.3 Machine Data Menu

3



Select the icon machine data QR code information.

4

The QR Code image will appear on the touch screen, to be framed in a smartphone to obtain machine information.

5

Key to symbols used:

- hot milk
- second milk
- second soluble
- steam
- motorised nozzle
- reduced power
- grounds drawer
- machine in self-service mode
- number of grinders (can be configured from 1 to 2)
- additional water
- QR code to read machine data (number, serial number, counters)
- operating hours
- Machine IP address (if connected to Wi-Fi network)
- 080.00. A0 — CPU master memory version (touch screen)
- 079.00. A0 — CPU slave application memory version
- 2.3 — CPU slave bootloader version
- 1491945 — Serial number
- 55°C — CPU master core temperature.

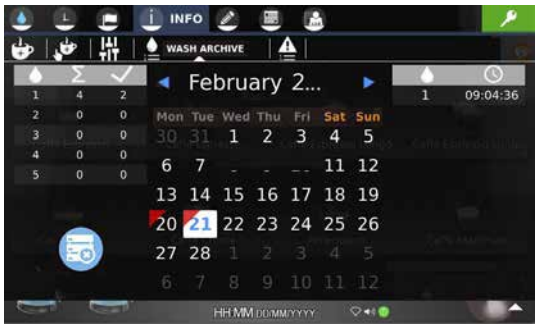
If the machine is connected to the internet, pushing this icon allows activation of the remote software and documentation update procedure.

NOTE: before beginning the software update procedure, make sure all data to restore machine programming after the update has been saved on the USB thumb drive.

5.4 Wash History Menu:

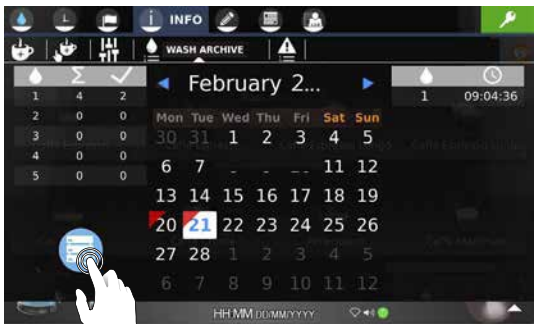
WASH HISTORY

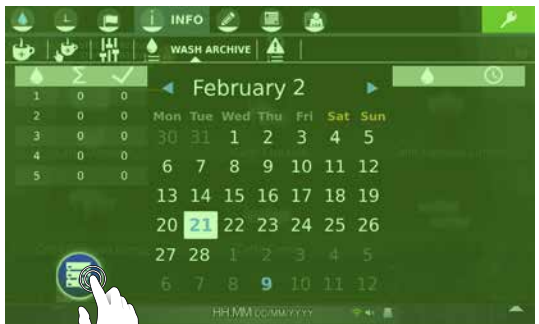
1



Select the icon for the "*WASH HISTORY*" menu.
The programmed wash request situation is shown.

2





Push the icon for a few seconds to reset the washing counters.

3

Key to symbols used:

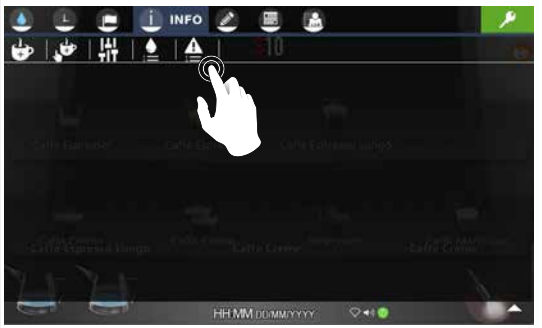
- number of washes
- washes requested
- washers performed
- wash number and time the wash was registered as not performed on the selected day.

English

5.5 Malfunction History Data Menu

MALFUNC. HISTORY

1



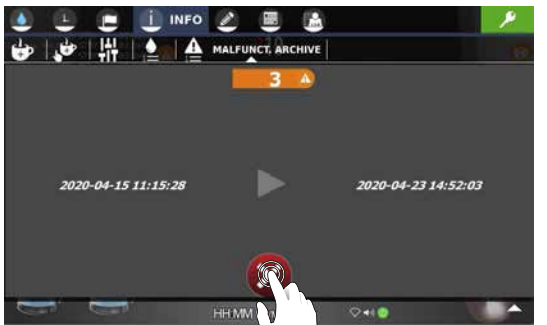
Select the icon for the "*MALFUNC. HISTORY*" menu.

2

The digits indicate the malfunction code and the corresponding number of occurrences.

Press the fault code.

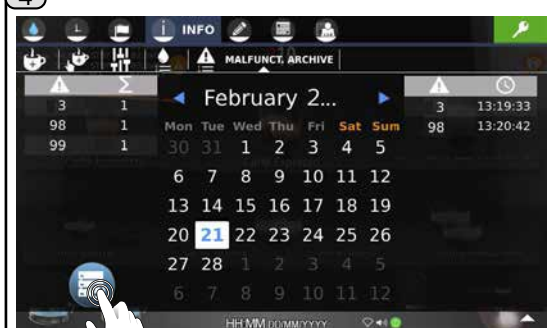
3



You will see:
- Left: display machine status first occurrence.
- Right: last occurrence.

Press the icon to exit.

4



Push the icon for a few seconds to reset the malfunction archive.

5

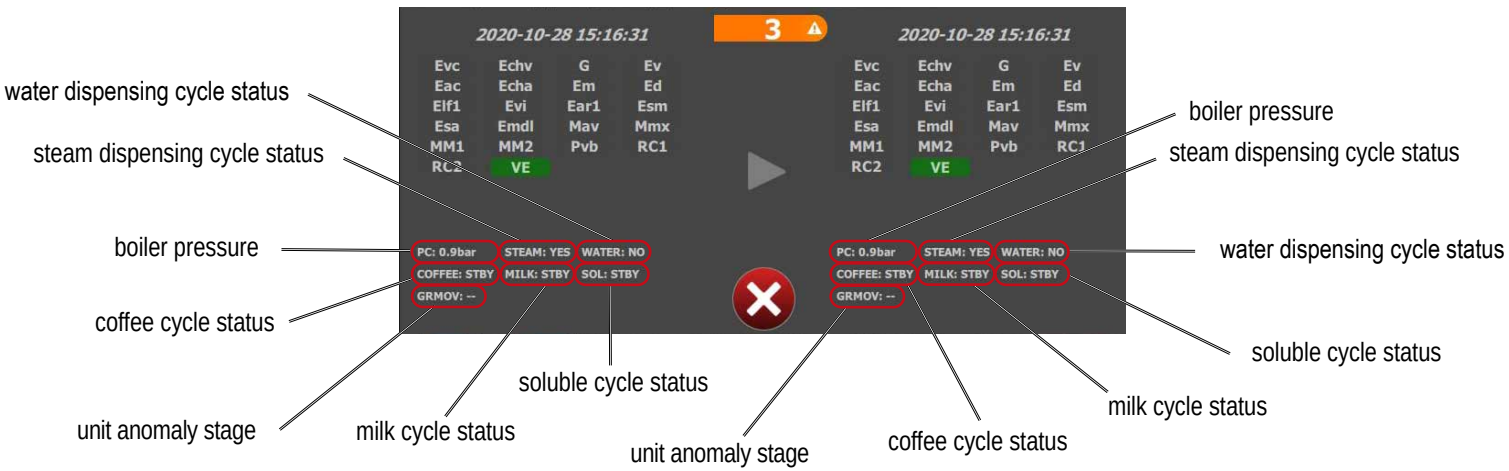
Key to symbols used:

- malfunction code
- number of occurrences
- time

5.5 Malfunction History Data Menu

MALFUNC. HISTORY

1



Coffee cycle status.

0. STATUS_COFFEECYCLE_TERMINATED, equivalent to STBY
1. STATUS_START_COFFEE,
2. STATUS_RESET,
3. STATUS_GRINDING,
4. -
5. STATUS_UNIT_RISING,
6. STATUS_DISPENSING,
7. -
8. STATUS_PRESSURE_RELEASE,
9. STATUS_DRYING,
10. STATUS_GROUNDS_EXPULSION,
11. STATUS_SHORT_WASH,
12. STATUS_LONG_WASH,
13. STATUS_LONG_WASH_SOAK,
14. STATUS_WEIGHING
15. –
16. STATUS_PRE-HEATING_GROUP
17. -

Milk cycle status:

0. STATUS_MILKCYCLE_TERMINATED, equivalent to STBY
1. STATUS_START_MILK,
2. STATUS_TRIGGER,
3. STATUS_DISPENSING_FR_NMN,
4. STATUS_DISPENSING_HOT_MN,
5. STATUS_DISPENSING_HOT_NMN,
6. STATUS_WASHING_SPOUT,
7. STATUS_WASHING_CIRCUIT,
8. STATUS_MILK_WASH_AUTOMATIC,
9. STATUS_MILK_WASH_AUTOMATIC_NSF,
10. STATUS_MILK_WASH_DETERGENT,

5.5 Malfunction History Data Menu

MALFUNC. HISTORY

Soluble cycle status:

0. STATUS_SOLUBLECYCLE_TERMINATED, equivalent to STBY
1. STATUS_START_SOLUBLE
2. STATUS_DISPENSING_SOLUBLE1
3. STATUS_DISPENSING_SOLUBLE2
4. STATUS_SOLUBLE_WASHING,
5. STATUS_SOLUBLE_GUIDED_WASH,
6. STATUS_SOLUBLE_AUTOMATIC WASH,
7. STATUS_WEIGHING

GRMOV: Unit anomaly stage code

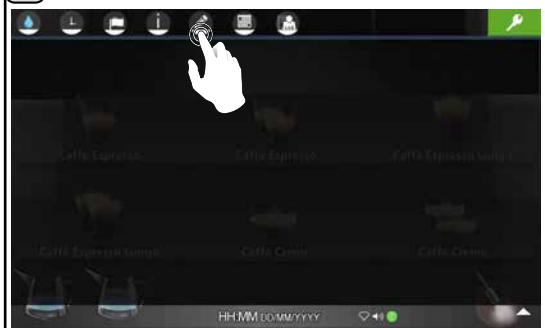
Unit anomaly stage code	Label	Description
9	CAM_FCC	Movement of camera towards limit stop
10	CAM_CLOSE	Movement of camera during closing
11	PMOV_FCP	Movement of piston towards limit stop
12	PMOV_OVERFCP	Movement of piston beyond limit stop
13	PMOV_COMP	Movement of piston during compression
14	PMOV_CURR	Movement of piston at current threshold
15	PMOV_UP	Movement of piston up
16	PMOV_DOWN	Movement of piston down

6. Customisation Menu

The CUSTOMISATION menu includes:

- RECIPE SETTINGS
- GROUP EDITOR
- WATER/STEAM SETTINGS
- BACKGROUND
- SCREEN SAVER
- AUDIO
- MEDIA
- RGB LIGHTS
- WIFI

1



Select the icon to see the associated menu.

2

6.1 Customisation Menu:

RECIPE SETTINGS

1

Select the recipe settings icon.

2

Press the icon for a recipe to access the settings.

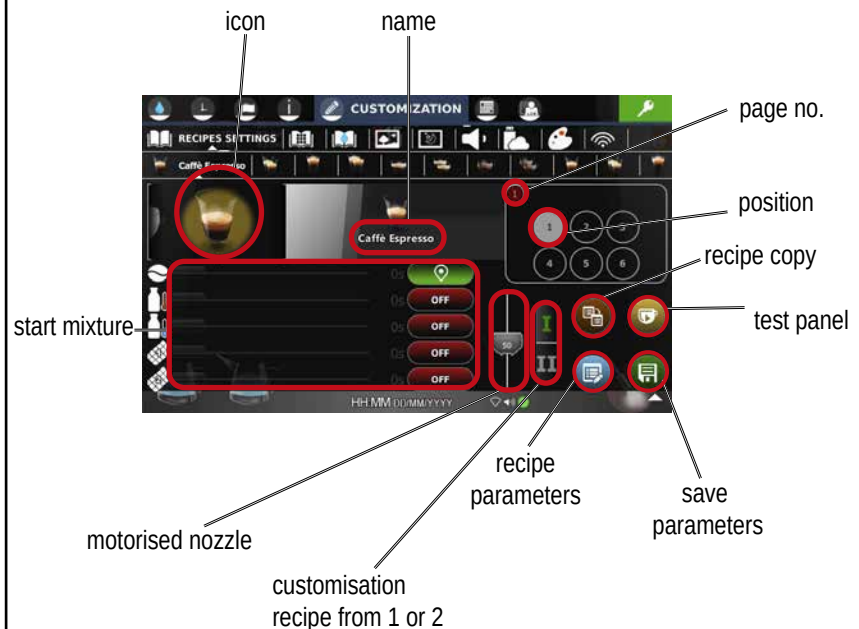
3

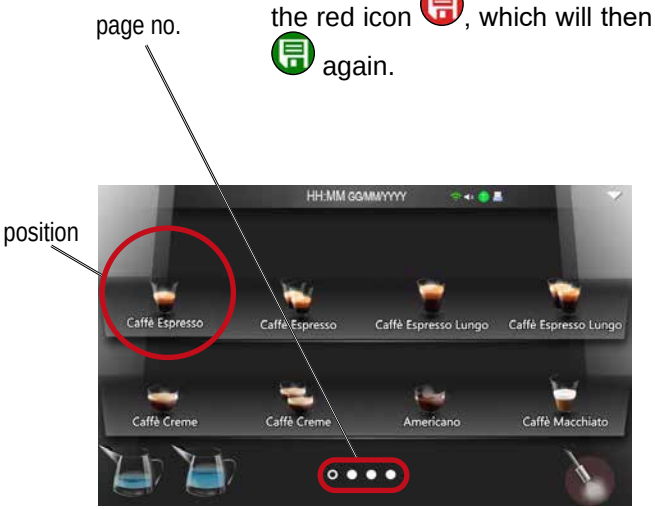
The characteristics of the recipe are shown on the touch screen.

English

6.1 Customisation Menu:

4





NOTE. Every change to the recipe characteristics will change the green icon to red. Save the changes by pressing the red icon, which will then turn green again.

- ***Icon***

The change to the recipe icon occurs by sliding the image to the side. The same image will appear next to the name.

- ***Name***

The recipe name can be changed by pressing the name itself. An alphanumeric keyboard will appear. Insert the desired text and confirm by pressing the ✓ key.

Note: using the ▶ clone icon, it is possible to copy the information from an existing beverage and change it.

6.1 Customisation Menu:

- ***Recipe parameters***

1

Recipe parameters are changed by pressing the icon.

2

The values of individual recipe parameters can be changed using the + - keys. Alternatively, when a value is pressed, the alphanumeric keyboard appears and the desired value can be inserted and confirmed with the key.
NOTE: when the keyboard is used to insert values, the min/max values allowed can be seen.

- ***Position and page***

1

Press the icon to show the other selections associated with the keys. The selected icon will change to .

2

Press the icon of the page 1 to show the subsequent pages.

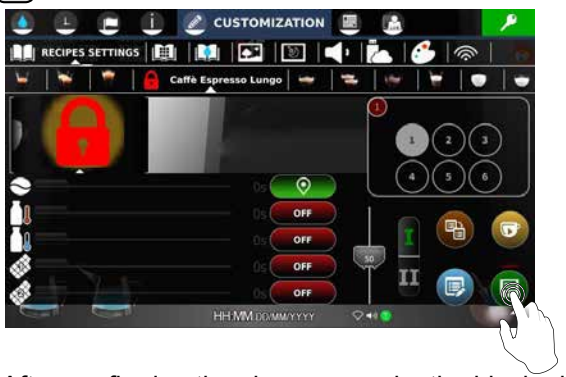
6.1 Customisation Menu:

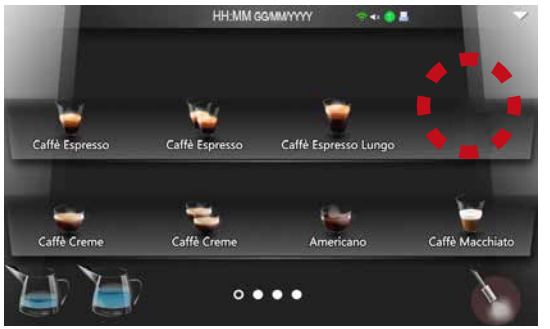
- ***Selection block***

1

It is possible to block and hide one or more recipes, pressing the icon.

2





After confirming the changes made, the blocked selection can no longer be seen on the screen.

NOTE: the parameters set are memorised and can be viewed by pressing the icon.

6.1 Customisation Menu:

- ***Modifiable parameters***
- ***Chocolate Latte Coffee Beverage***

1

NOTE: when the keyboard is used to insert values, the min/max values allowed can be seen.

6.1 Customisation Menu:

- ***For the Chocolate Latte Coffee beverage, the parameters are:***

English

2

Coffee Cycle

- ***Repetition*** *(indicates the number of the selected beverage dispensed, from the min/max that can be set);*
- ***Water Before*** (volumetric dosing device impulses, *from* the min/max that can be set*);*
- ***Water Dose*** *(volumetric dosing device impulses,* from the min/max that can be set);
- ***Start Water****(volumetric dosing device impulses, from the min/max that can be set*);
- ***Water After*** (volumetric dosing device impulses, *from* the min/max that can be set*);*
- *Infusion (infusion time, from* the min/max that can be set*);*
- ***Wetting*** *(tablet wetting time, from* the min/max that can be set*);*
- ***MM1 Coffee Dose*** *(grinding time,* from the min/max that can be set*);*
- ***MM2 Coffee Dose****(grinding time, from the min/max that can be set);*
- ***Pressure Discharge*** *(pressure discharge time, from* min/max that can be set*);*
- ***Drying*** *(tablet drying time, from* the min/max that can be set*);*

Hot milk cycle

- ***Repetition*** *(indicates the number of the selected beverage dispensed, from the min/max that can be set);*
- ***Milk Selected*** (*for each beverage, allows the decision whether to take milk from container 1 or 2*);
- ***Hot Milk Dose*** (hot milk dispensing time, from the min/max that can be set);
- ***Hot Milk Emulsion*** *(hot milk emulsion time, from* min/max that can be set*);*
- ***FM/NFM Hot Milk*** *(this parameter enables you to decide whether to dispense first frothed milk or hot non-frothed milk.)*
  YES : FM - hot f. milk.
  NO : NFM./nf. milk;
- ***v Mpl Hot Emulsion*** *(speed of pump motor for hot frothed milk, from the min/max that can be set);*
- ***v Mpl Hot Milk*** *(hot milk pump motor speed, from* min/max that can be set*);*

Cold milk cycle

- ***Repetition*** *(indicates the number of the selected beverage dispensed, from the min/max that can be set);*
- ***Milk Selected*** (*for each beverage, allows the decision whether to take milk from container 1 or 2*);
- ***Cold Milk Dose*** (cold milk dispensing time,*from* the min/max that can be set*);*

Soluble cycle 1

- ***Repetition*** *(indicates the number of the selected beverage dispensed, from the min/max that can be set);*
- ***Soluble Water Dose*** (soluble water dispensing time, *from* the min/max that can be set*);*
- ***Soluble Dispenser Dose*** (dispenser activated time, *from* the min/max that can be set*);*
- ***Soluble Temp Level*** (indicates the number of soluble temperature levels, *from* the min/max that can be set*);*

Soluble cycle 2

- ***Repetition*** *(indicates the number of the selected beverage dispensed, from the min/max that can be set);*
- ***Soluble Water Dose 2*** (soluble water dispensing time, from the min/max that can be set*);*
- ***Soluble Dispenser Dose 2*** (dispenser activated time, *from* the min/max that can be set*);*
- ***Soluble Temp Level 2*** (indicates the number of soluble temperature levels, *from* the min/max that can be set*);*

Note: Beverage types and certain data programming flow items are present according machine configuration set.

6.1 Customisation Menu technician programming

- ***For the Chocolate Latte Coffee beverage, the parameters are:***

2

Coffee Cycle

- ***Repetition*** *(indicates the number of the selected beverage dispensed, from the min/max that can be set);*
- ***Water Before*** (volumetric dosing device impulses, *from* the min/max that can be set*);*
- ***Water Dose*** *(volumetric dosing device impulses,* from the min/max that can be set);
- ***Start Water****(volumetric dosing device impulses, from the min/max that can be set*);
- ***Water After*** (volumetric dosing device impulses, *from* the min/max that can be set*);*
- *Infusion (infusion time, from* the min/max that can be set*);*
- ***Wetting*** *(tablet wetting time, from* the min/max that can be set*);*
- ***MM1 Coffee Dose*** *(grinding time,* from the min/max that can be set*);*
- ***MM2 Coffee Dose****(grinding time, from the min/max that can be set);*
- ***Pressure Discharge*** *(pressure discharge time, from* min/max that can be set*);*
- ***Drying*** *(tablet drying time, from* the min/max that can be set*);*

Hot milk cycle

- ***Repetition*** *(indicates the number of the selected beverage dispensed, from the min/max that can be set);*
- ***Milk Selected*** (*for each beverage, allows the decision whether to take milk from container 1 or 2*);
- ***Hot Milk Dose*** (hot milk dispensing time, from the min/max that can be set);
- ***Hot Milk Emulsion*** *(hot milk emulsion time, from* min/max that can be set*);*
- ***FM/NFM Hot Milk*** *(this parameter enables you to decide whether to dispense first frothed milk or hot non-frothed milk.*
  YES : FM - hot f. milk.
  NO : NFM./nf. milk;
- ***v Mpl Hot Emulsion*** *(speed of pump motor for hot frothed milk, from the min/max that can be set);*
- ***v Mpl Hot Milk*** *(hot milk pump motor speed, from* min/max that can be set*);*

Cold milk cycle

- ***Repetition*** *(indicates the number of the selected beverage dispensed, from the min/max that can be set);*
- ***Milk Selected*** (*for each beverage, allows the decision whether to take milk from container 1 or 2*);
- ***Cold Milk Dose*** (cold milk dispensing time,*from* the min/max that can be set*);*

Note: Beverage types and certain data programming flow items are present according machine configuration set.

English

- ***For the Chocolate Latte Coffee beverage, the parameters are:***

3

Soluble cycle 1

- ***Repetition*** *(indicates the number of the selected beverage dispensed, from the min/max that can be set);*
- ***Soluble Water Dose*** (soluble water dispensing time, *from* the min/max that can be set*);*
- ***Soluble Dispenser Dose*** (dispenser activated time, *from* the min/max that can be set*);*
- *Dispenser Advance Time* (the dispenser is activated in advance of the mixer, from the min/max that can be set);
- ***Emptying Duct Time*** *(time needed to empty soluble duct, from* the min/max that can be set*);*
- ***Soluble Temp Level*** (indicates the number of soluble temperature levels, *from* the min/max that can be set*);*
- ***Soluble Dispenser Speed*** *(speed of the* dispenser *motor, from* the min/max that can be set*);*

Soluble cycle 2

- ***Repetition*** *(indicates the number of the selected beverage dispensed, from the min/max that can be set);*
- ***Soluble Water Dose 2*** (soluble water dispensing time, from the min/max that can be set*);*
- ***Soluble Dispenser Dose 2*** (dispenser activated time, *from* the min/max that can be set*);*
- *Dispenser Advance Time* (the dispenser is activated in advance of the mixer, from the min/max that can be set);
- ***Emptying Duct Time*** *(time needed to empty soluble duct, from* the min/max that can be set*);*
- ***Soluble Temp Level 2*** (indicates the number of soluble temperature levels, *from* the min/max that can be set*);*
- ***Soluble Dispenser Speed*** *(speed of the* dispenser *motor, from* the min/max that can be set*);*

Note: Beverage types and certain data programming flow items are present according machine configuration set.

6.1 Customisation Menu:

- ***Dispensing pop-up style***
- ***Beverage icon***

1

Push the icon .

The “pop-up” customization will begin after pushing the icon.

recipe copy, style “pop-up”

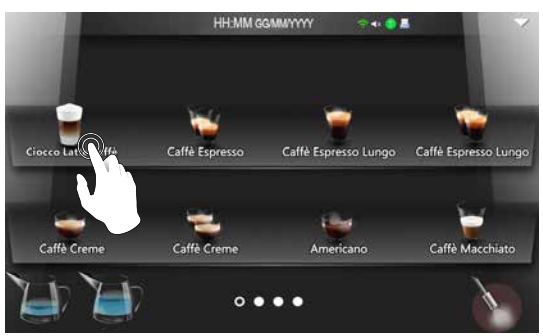
save parameters

icon to exit

NOTE: If the icon is pushed and held for a few seconds , until a green window appears, the "pop-up" style selected for the recipe is copied to all of the recipes in the machine.

2

Once the "pop-up" customization has been set, confirm the selection with the icon.



Press the icon corresponding to the selected beverage to start dispensing.

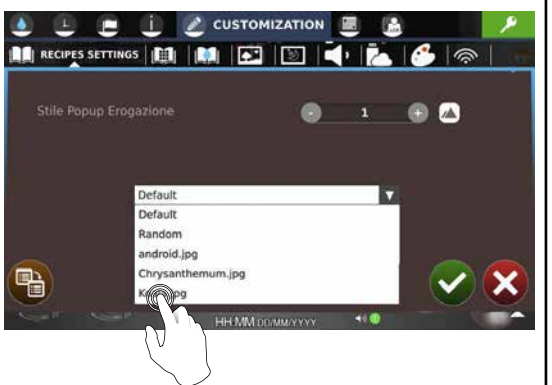
During dispensing, the pre-selected image will appear on the touch screen.

6.1 Customisation Menu:

- ***Dispensing pop-up style***
- ***Photo***

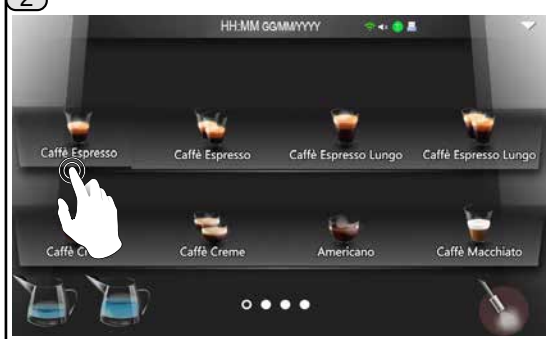
1

The “pop-up” can be customised using the keys - +.

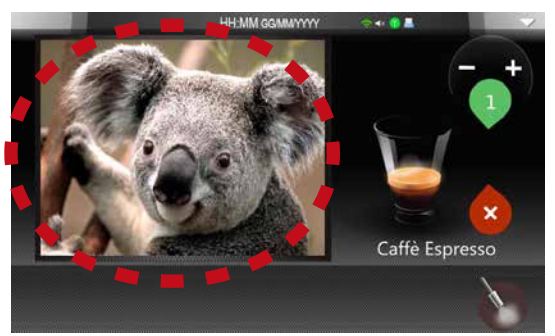


The screen shown during the dispensing of a beverage can be customised with personal or default photos. Press the ▼ key to show the photos available; press the name of the desired file and confirm it using the ✓ key.

2



Press the icon corresponding to the selected beverage to start dispensing.

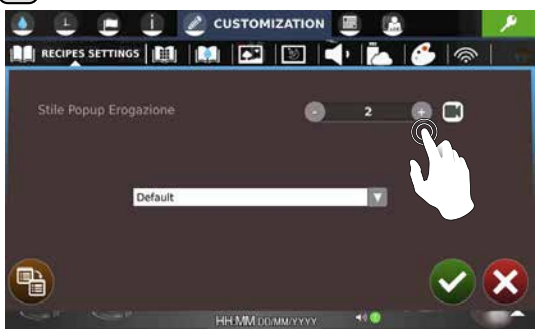


During dispensing, the available video will be shown on the touch screen.

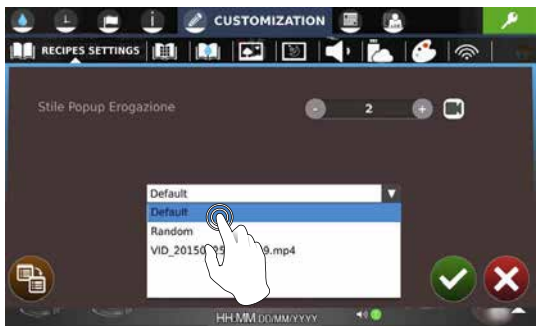
6.1 Customisation Menu:

- ***Dispensing pop-up style***
- ***Video***

1

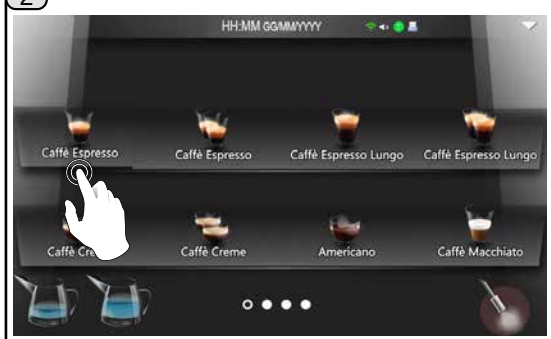


The “pop-up” can be customised using the keys - +.



The screen shown during the dispensing of a beverage can be customised with personal or default photos. Press the ▼ key to show the photos available; press the name of the desired file and confirm it using the ✓ key.

2



Push the icon corresponding to the selected beverage to start dispensing.

During dispensing, the available video will be shown on the touch screen.

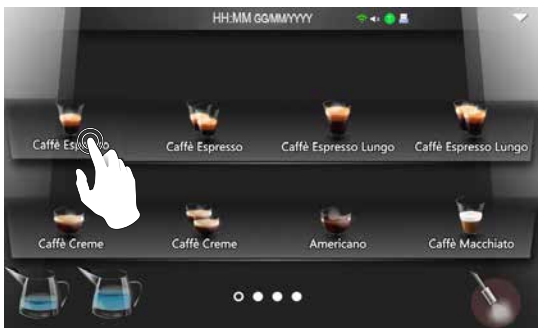
6.1 Customisation Menu:

- ***Dispensing pop-up style***
- ***Physical attributes (temperatures, pressures).***

1

The “pop-up” can be customised using the keys - +.

Once the "pop-up" customization has been set, confirm the selection with the ✓ icon.



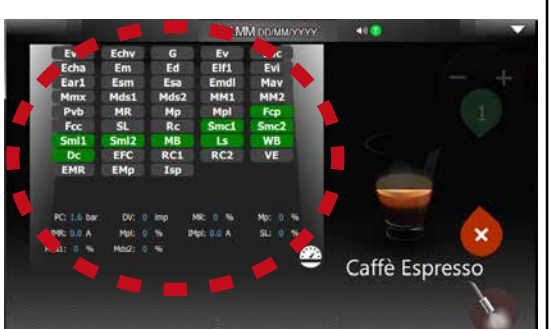
Press the icon corresponding to the selected beverage to start dispensing.

2

During dispensing, a box will appear showing the change in physical attributes in relation to the service boiler.

3

NOTE. The status of the physical attributes can be viewed in the “pop-up” window while the machine is dispensing, with technician access active.
Change the display mode with the ⓘ key in the “pop-up” window.



6.1 Customisation Menu:

- ***Start Misto (mixture)***

1

With the "*Start Misto*" function, the sequence of cycles to dispense coffee, hot milk, cold milk, and chocolate can be programmed to obtain the desired combination.

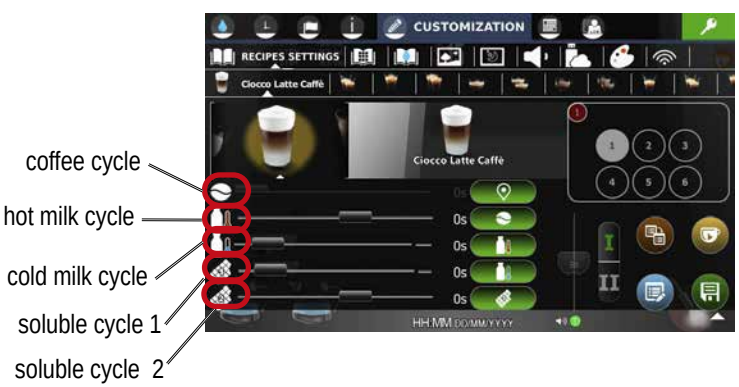
The following are displayed:

duration in seconds for the coffee (first line);
duration in seconds for hot milk (second line);
duration in seconds for cold milk (third line);
duration in seconds solubles (fourth line);
duration in seconds for solubles (fifth line).

Delay dispensing of the beverage selected; from min/max that can be set, or with the OFF option which disables the corresponding beverage;

shows when the beverage starts being dispensed; choice of 4 modes:

- *origin,* when the selection key is pressed;
- *end coffee,* at the end of the coffee cycle;
- *end hot milk,* at the end of the milk cycle;
- *end cold milk,* at the end of the milk cycle;
- *end soluble,* at the end of the solubles cycle.
- OFF *beverage disabled.*



6.1 Customisation Menu:

- ***Recipe, beverage, water settings***

1

The change to the recipe icon occurs by sliding the image to the side. The same image will appear next to the name.

2

The recipe name can be changed by pressing the name itself. An alphanumeric keyboard will appear. Insert the desired text and confirm by pressing the ✓ key.

Note: using the ▶ clone icon, it is possible to copy the information from an existing beverage and change it.

3

Press the OFF icon to deactivate the sequence for the coffee, hot milk, cold milk and chocolate dispensing cycles.

NOTE. Every change to the recipe characteristics will change the green icon to red. Save the changes by pressing the red icon, which will then turn green again.

6.1 Customisation Menu:

- ***Test panel***

Press the icon to view the subsequent pages.

1

Select the icon to see the test panel.

Press the icon to enable the test function.

- ***Soluble Weighting Test***

2

Press the icon to view the next page.

Select the icon to start the soluble weighting cycle.

icon, start weighting cycle

icon to exit

English

6.1 Customisation Menu:

- ***Coffee Weighting Test***

3

Press the icon to view the next page.

Select the icon to start the coffee weighting cycle.

icon, start grinding test

icon to exit

6.1 Customisation Menu

1

Press the icon to enable the clone function.

2

- ***Single recipe clone***

1

Press the icon to show the next page.

2

Press the single recipe clone icon.

Select the icon to clone the recipe associated with the keys: the icon selected turns into ; save the changes by pressing the icon.

6.1 Customisation Menu

- ***Multiple recipe clone***

1

Press the icon to show multiple recipe clone.

Select the icon to clone the recipes associated with the keys: the icon selected turns into ; save the changes by pressing the icon.

2

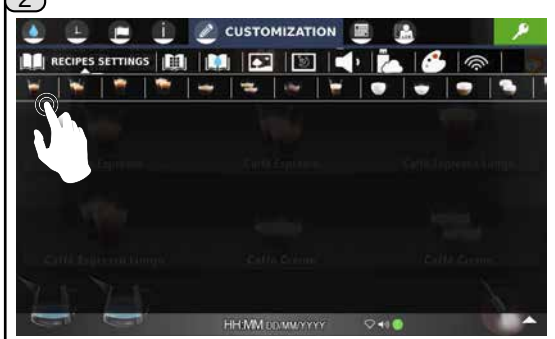
6.1 Customisation Menu

- ***Motorised delivery spout "self-learning"***

1

Select the recipe settings icon .

2



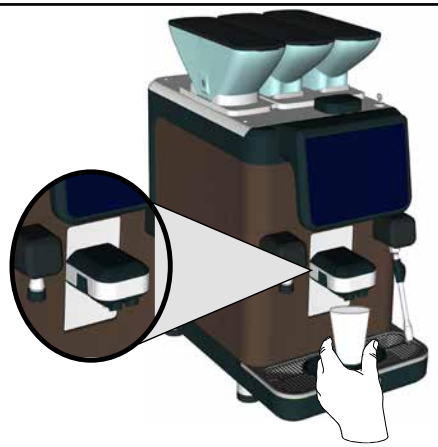
Push the icon for a recipe to access the settings.

3

The characteristics of the recipe are shown on the touch screen.

6.1 Customisation Menu

4

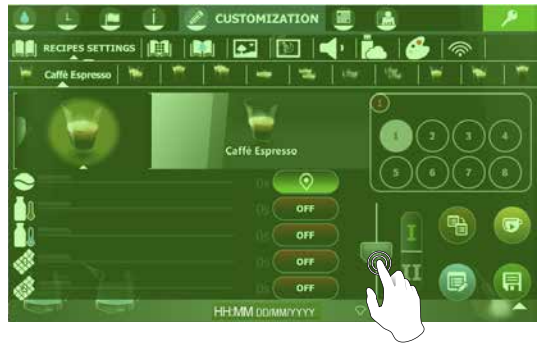


Place the appropriate container under the dispensing nozzle.

5

Press and hold the delivery spout icon  to activate the self-learning function.

6

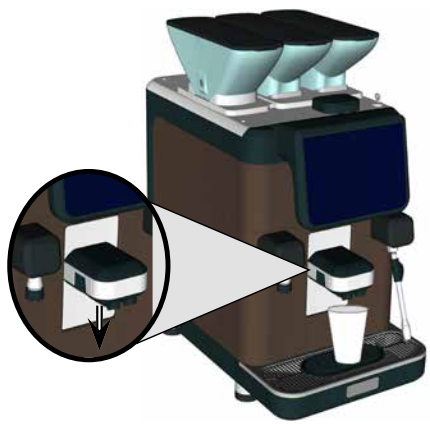


The image shown above will appear on the touch screen.

7

When the procedure is done, the machine memorizes the desired position of the motorised delivery spout for the beverage.

8



English

6.1 Customisation Menu

- ***Motorised delivery spout parameters***

1

Select the recipe settings icon.

2

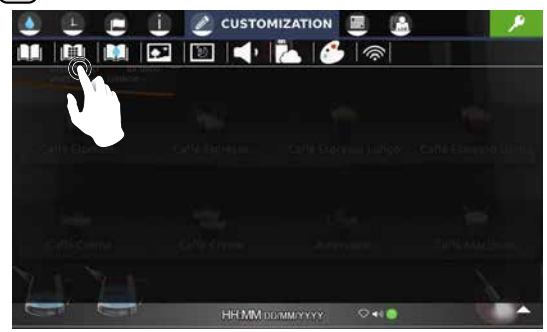
Drag the 55 icon to increase or decrease the height of the delivery spout to the desired position.

3

Lightly push the 55 icon and the number keyboard appears, which can be used to insert the desired value, confirming with the ✓ key. NOTE: entering values using the keyboard makes it possible to show the min/max range that can be set. When done, push the icon to save the changes made.

6.2 Groups Mode

1

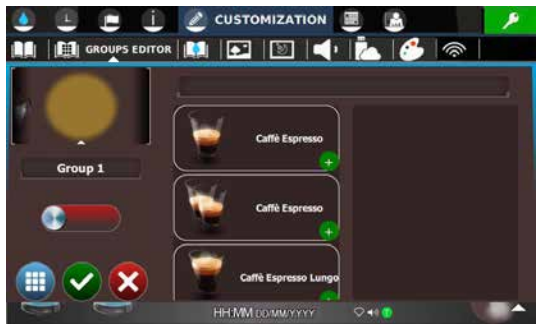


Select the icon to access the “Groups Mode” menu.

2

Press the to create a beverage group.

3



The main group editor screen will appear on the touch screen.

4

5

Scroll through the menu to see the beverages and press the icon to add them to the group.

The selected beverages will be added to the box at the right.

A maximum of 7 beverages can be added to a single group.

6

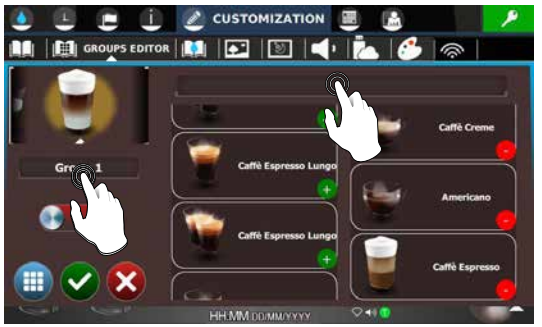
After selecting the beverages, assign names and an icon for the group.

The group icon can be changed by sliding the image to the side.

English

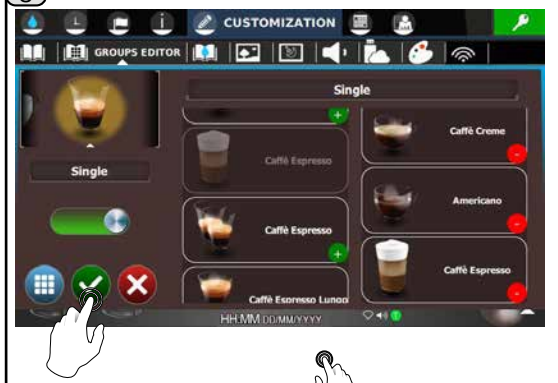
6.2 Groups Mode

7



Group names can be changed by pressing the name itself. An alphanumeric keyboard will appear. Enter the desired text and confirm by pressing the key.

8



To activate a group, move the sliding switch from red to green . Confirm with the key once all settings have been set.

9

Up to 8 beverage groups can be configured using the process explained above.

10

The touch screen will display the following screen (ex: with 8 groups) once the function is activated:

Alternatively, it is possible to create 8 subgroups for each group, with 7 beverages per subgroup, significantly increasing the total number of beverages.

To create a subgroup, press the icon and proceed the same way you would to create a group.

OPERATION

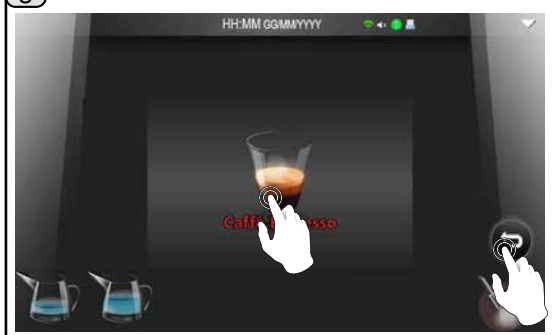
1

Select the desired group from those available on the touch screen. e.g.

the Coffee group 

2

3



Push the icon corresponding to the selected beverage to start dispensing.

Press the icon to return to the main page.

4 During dispensing, the screen will display as below:

Dispensing will stop automatically.

Press the icon to stop dispensing the beverage before reaching the programmed dose.

Press the icon to dispense again; the number indicating programmed dispensing will increase.

To reset, press and hold the icon for a few seconds.

5

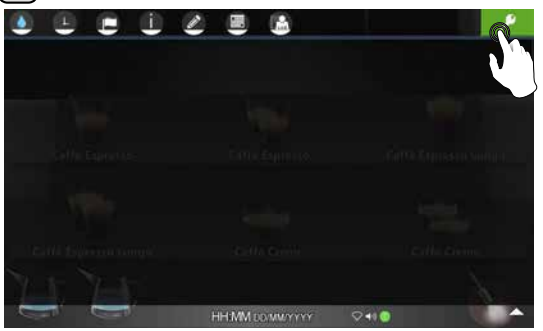
When dispensing is complete, the main page will appear again.

6.2 Groups Mode

The “Groups” mode function can be activated in the page to access technical programming, by pressing in the figures shown below:

English

1



Press the technician access icon .

2

Push the BLUE "groups" icon :

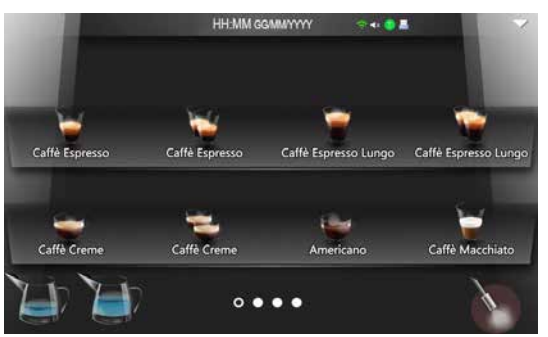
3

The “*group mode*” function is activated and the touch screen will display the following screen:

4

To disable the function, follow the same procedure pressing the RED "groups" icon :

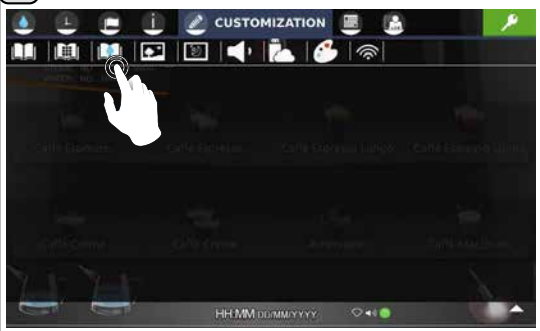
The function will be disabled and the touch screen will show the selected mode:



6.3 Water/Steam Settings Menu

WATER/STEAM SETTINGS

1



Select the icon to set water and steam recipe settings.

2

Select an icon for water settings.

English

The values of individual recipe parameters can be changed using the keys. Alternatively, when a value is pressed, the alphanumeric keyboard appears and the desired value can be inserted and confirmed with the key.

NOTE: when the keyboard is used to insert values, the min/max range allowed can be seen.

Water

- water time (water dispensing time, *from* the min/max that can be set*);*

NOTE: if a zero time is set, the water key is deactivated and removed from the main screen

test dispensing icon; dispensing stop icon; cancel operation; clone icon previous value;

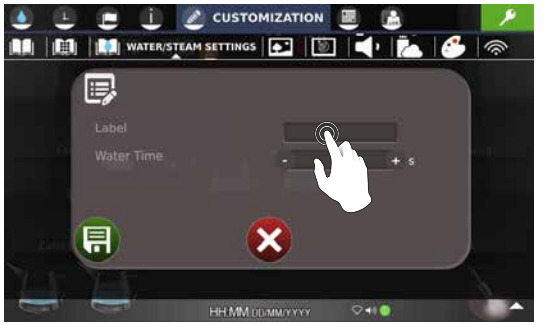
red save changes icon; green changes saved icon.

6.3 Water/Steam Settings Menu

Water (set icon with label)

1

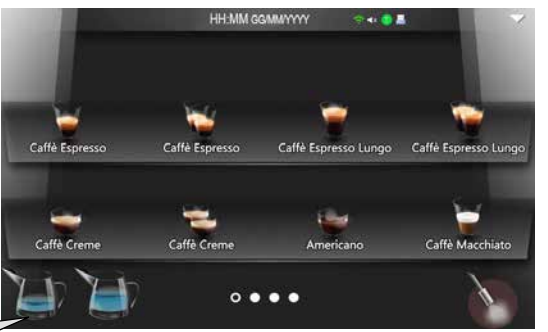
2



3

4

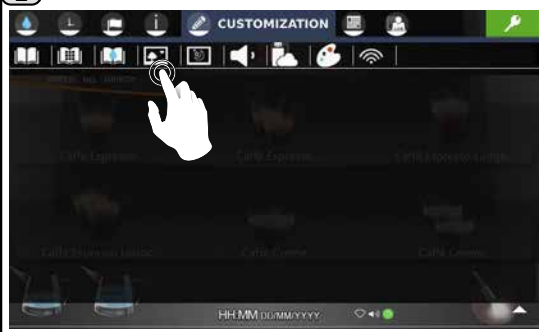
5



6.4 Background Menu

BACKGROUND

1



Select the icon to access the background menu.

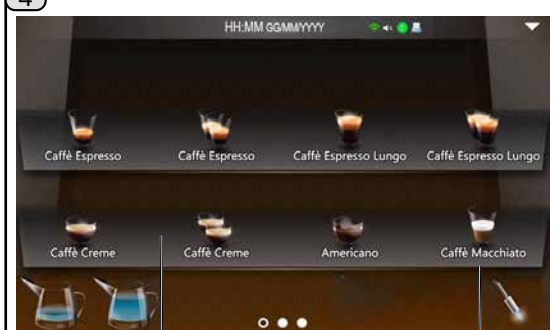
2

Slide the touch screen to the side to see available backgrounds.

3

Press the selected background to set it.

4



key background

shelf

English

6.4 Background Menu

BEVERAGE LABEL COLOUR

1

Initial beverage labels colour: Caffè Espresso.

2

Select the icon for the customised background screen to access the label colour menu.

3

Select the desired shade, moving the regulators as shown.

4

Save the changes made by pressing the icon.

5

The beverage labels with the set colour are shown on the touch screen.

6

save changes icon

icon to exit

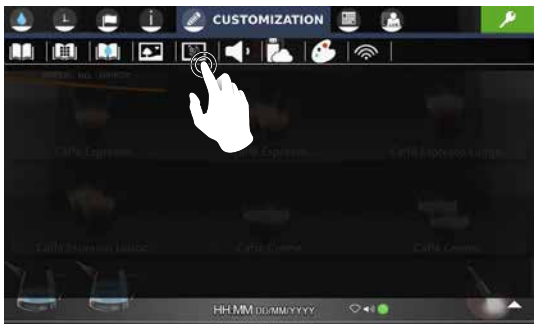
The beverage labels with the set colour are shown on the touch screen: Caffè Espresso.

For optimal viewing, it is recommended that the background screen tone and label colours have strong contrast.
For example: dark background - light label;
light background - dark label.

6.5 Screensaver Menu

SCREEN SAVER

1



Select the icon for "*SCREENSAVER*" settings.

2

The touch screen will show the screen saver parameter settings in image format .

To disable the function, move the switch from the green to the red background .

• *Screen Saver Image Parameters*

- *Screensaver Start Delay*
- *Photo Transition Effect*

The effects available are:

0) **Fade**;
1) **Zoom out/in** (Disappears from the edges towards the centre; appears from the centre moving towards the edges);
2) **Scroll left**;
3) **Scroll right**;
4) **Scroll up**;
5) **Scroll down**;
6) **Rotate left**;
7) **Rotate right**;
8) **Genie** (Disappears/appears with irregular enlargement).

- *Photo Display Duration*
- *Photo Transition Duration*
- *Custom Photo List*

(Allows personal images to be shown; see the media section for how to load files to the machine).

- *Show Time* (the time is displayed when the screen saver is operating)
- *Show Current Date* (the date is displayed when the screen saver is operating)
- *RSS* (when this function is active and the machine is connected to the internet via Wi-Fi, RSS messages are shown in the lower part of the touch display)
- *RSS Feed* (address of the website from which desired RSS news will be received).

The values of the individual screen saver parameters can be changed using the keys or moving the switch from the red to the green background .

Press a value and the numeric keyboard will appear. Insert the desired value and confirm it with the key.

NOTE: when the keyboard is used to insert values, the min/max values allowed can be seen.

English

6.5 Screensaver Menu

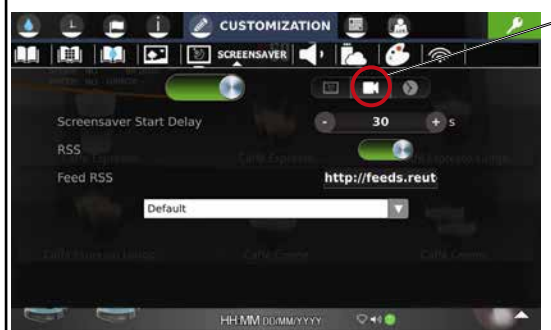
• ***Screen Saver Video Parameters***

1

• *Screensaver Start Delay*

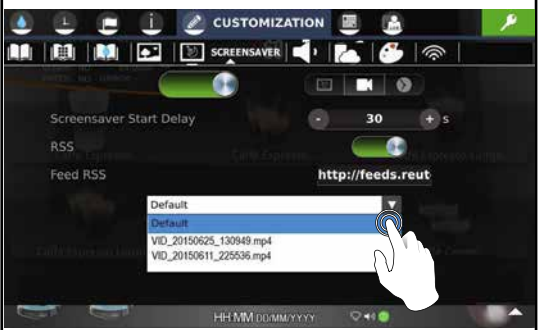
• *RSS* (when this function is active and the machine is connected to the internet via Wi-Fi, RSS messages are shown in the lower part of the touch display)

• *RSS Feed* (address of the website from which desired RSS news will be received).



The screen saver start delay time can be changed using the + - keys. Press a value and the numeric keyboard will appear. Insert the desired value and confirm it with the ✓ key.
NOTE: when the keyboard is used to insert values, the min/max values allowed can be seen.

2



The screen saver can be customised using personal videos. Press the ▼ key to show available videos and press the name of the desired file (see the media section for how to load files on the machine).

• ***Screen Saver Time Parameters***

1

• *Screensaver Start Delay*

• *RSS* (when this function is active and the machine is connected to the internet via Wi-Fi, RSS messages are shown in the lower part of the touch display)

• *RSS Feed* (address of the website from which desired RSS news will be received).

The screen saver start delay time can be changed using the + - keys. Press a value and the numeric keyboard will appear. Insert the desired value and confirm it with the ✓ key.
NOTE: when the keyboard is used to insert values, the min/max values allowed can be seen.

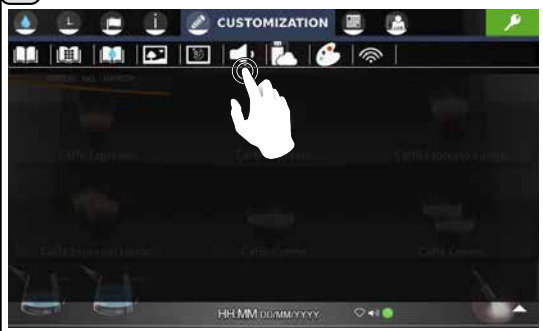
2

Screen saver time operating.

6.6 Audio Menu

AUDIO

1



Select the icon to access the *AUDIO* menu.

2

Slide the icon sideways to increase or decrease the sound volume.

maximum audio

normal audio

minimum audio

audio off

English

6.7 Media Menu

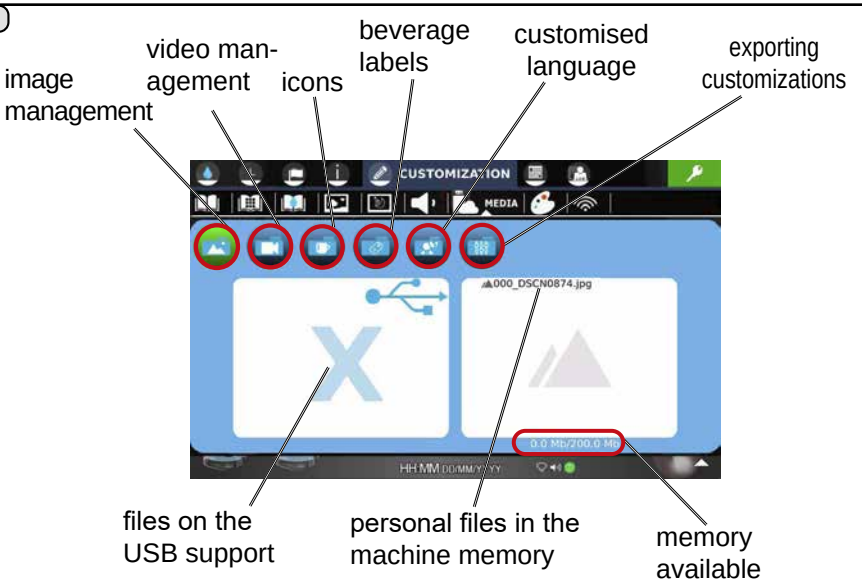
MEDIA

This menu allows personal files (images and videos) to be loaded into the machine memory.

1

Select the icon to access the *MEDIA* menu.

2



3

Key to icons used:

to manage image file formats

to manage video file formats

to manage icon files

to manage recipe label files

to manage custom language files

to export the customizations installed by the customer to a USB key (icons, images, text and videos).

to export machine data to a USB support (recipes, settings, etc.)

to import data from a USB support

0.0 Mb/200.0 Mb memory occupied by personal files loaded/ available machine memory

NOTE: the window on the left shows the contents of the external memory; the right window shows the machine memory

The left window is empty when:

- no USB support is connected to the machine;
- the connected USB support does not contain any files in supported formats.

Messages can be loaded in a customised language using a USB key.

Customised beverage icons can be loaded using a USB key.

Icons and beverage names can be custom configured using a USB key.

NOTE: The files that can be imported for these functions are generated through a webpage that can be accessed through the PlatOne platform.

6.7 Media Menu

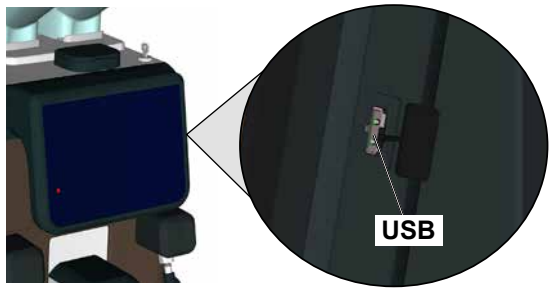
• ***Loading Images***

Personal images can be loaded into the machine memory, but must be in the following formats: JPG, PNG, BMP with resolution preferably of 800L x 480H, 32 bit, 72 dpi (if the files are larger, when they are copied they will be reduced to this resolution - the highest that can be shown - **4:3 format**).
A total of 50 Mb of images can be loaded.
The names of personal image files must consist exclusively of alphanumeric characters (avoid special characters such as * ‘ / “ . # etc.).

1

Media menu status (images) before USB support is connected.

2



Insert the USB support that contains the desired personal images in the dedicated slot located on the right side of the touch screen.

3

The left window shows the files contained on the USB support.

4

Select the image(s) to copy into the machine memory and then press the + icon.

5

While the files are copied, the above image will be displayed.

English

6.7 Media Menu

• ***Loading Images***

6

When copying is complete, the selected files will appear in the machine memory.

7

Similarly, image files can be selected from the machine memory and deleted using the ⊖ icon.

• ***Customised background***

8

Select the image file from the machine memory and press the ▶ icon.

9

While the files are copied, the above image will be displayed.

10

Press the selected background to set it.

When the ⊗ icon is pressed for several seconds, the customised background is erased.

NOTE. Set another background before deleting the customised one.

Note: only one customised background can be loaded into the Background Customisation menu at a time: if a new background is loaded, the previous one will be overwritten.

6.7 Media Menu

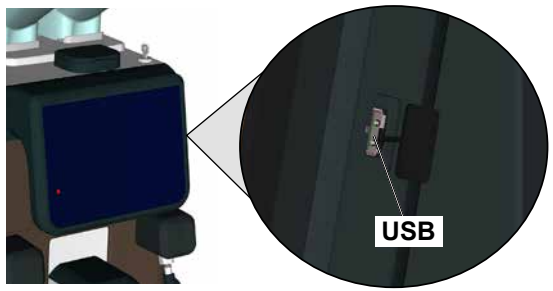
• *Loading Videos*

Personal video files can be loaded into the machine memory, but must be in the following formats:
MP4, with 800L x 480H maximum resolution, video codec H.264, audio codec AAC.
A total of 200 Mb of videos can be loaded.
NOTE: files which do not meet these requirements will not be copied to the machine.
The names of personal video files must consist exclusively of alphanumeric characters (special characters such as * ‘ / “ . # etc. are not recommended).

1

Media menu status (video) before USB support is connected.

2



Insert the USB support that contains the desired personal videos in the dedicated slot located on the right side of the touch screen.

3

The left window shows the files contained on the USB support.

4

Select the video(s) to copy into the machine memory and then press the + icon.

5

When copying is complete, the selected files will appear in the machine memory.

6

Similarly, video files can be selected from the machine memory and deleted using the − icon.

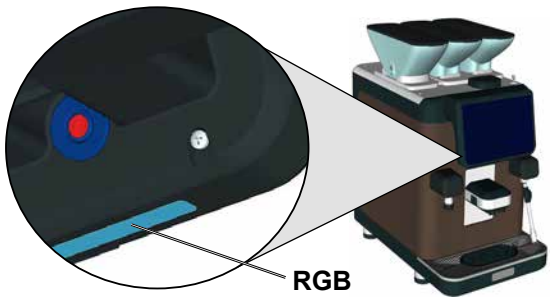
NOTE. The names of personal video files must consist exclusively of alphanumeric characters.

English

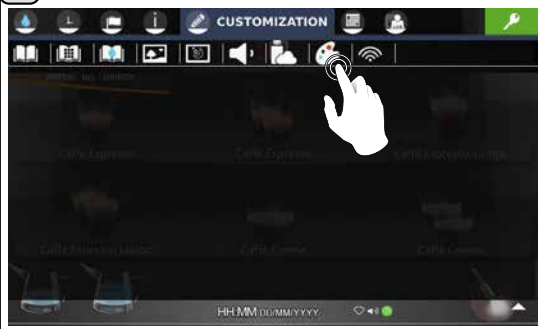
6.8 RGB Lights Menu

RGB LIGHTS

This menu makes it possible to activate and change the colour of the machine lighting (RGB).



1

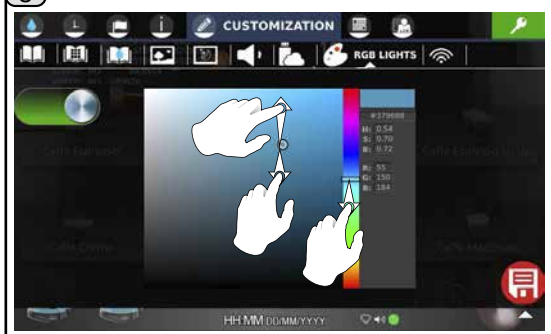


Select the icon for the "*RGB LIGHTS*" menu.

2

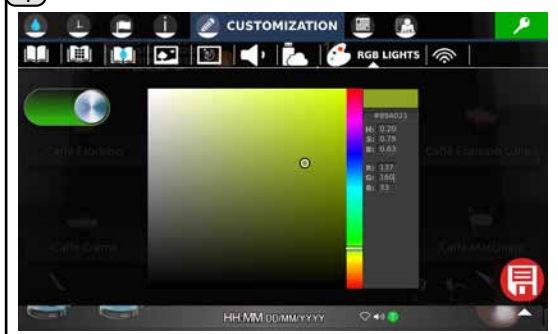
To activate the function, move the switch from the red to the green background.

3

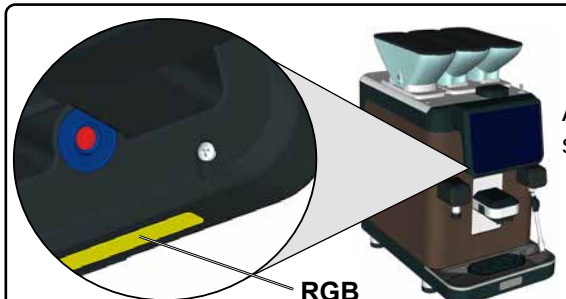


Select the desired shade, moving the regulators as shown.

4



The changes made are saved by pressing the red icon, which will then turn back to green.



At the moment the colour is chosen, the lighting shade will immediately change.

6.9 WiFi Menu

WIFI

IMPORTANT: ONLY FOR THE JAPANESE AND KOREAN MARKETS
The WIFI module is disabled and activating it is prohibited.

1

Select the icon for the "*WIFI*" menu.

To activate the function, move the switch from the red to the green background .

2

Select the search network icon.

3

If the network is hidden (SSID hidden), click on Custom and then enter the name of the network, the type of security and the password.

4

An alphanumeric keyboard will appear and the network name (SSID) can be entered and confirmed using the key.

Note: using the clone icon, it is possible to copy the name of an existing network and make changes.

5

Set the parameters for access to the network (open, WEP, WPA/WPA2) plus any password and confirm with the icon.

English

6.9 WiFi Menu

6

Once the WiFi connection is completed, select the settings access icon to enable the connection with the PlatOne portal.

7

To activate the function, move the switch from the red to the green background .

8

Push the icon to enable the function.

9

The status of the connection is indicated in the WIFI STATUS window at the top right. If the connection is successful, the icon becomes green.

Symbol of connection to the network.

network reconnection icon;

search for networks icon;

settings access icon for WiFi data transmission with PlatOne portal. Only appears if the machine is connected to a WiFi network;

green icon: the connection with the PlatOne portal is enabled.

icon to confirm

WiFi connection symbols:

icon animation: data transmission via PlatOne in course.

icon = not connected

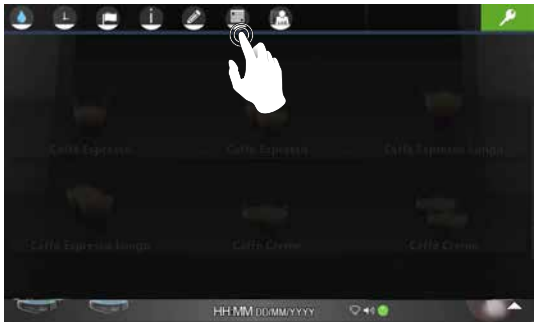
59% Wi-Fi connection percentage.

7. Programming Menu

The PROGRAMMING menu includes:

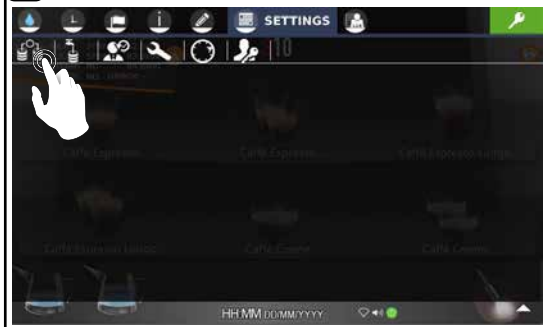
- RESIN REGENERATION
- WATER FILTER
- MAINTENANCE
- MANUAL COMMANDS
- CONFIGURATION
- SET PASSWORD

1



Select the icon for the "*PROGRAMMING*" menu.

2

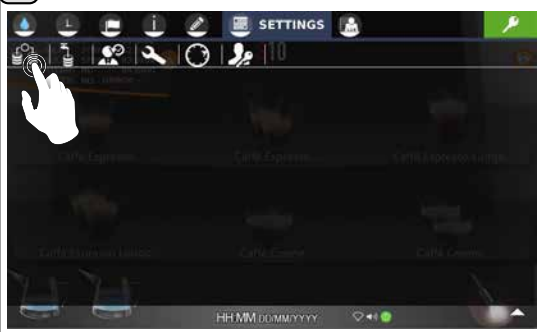


English

7.1 Resin Regeneration Menu

RESIN REGENERATION

1



Select the icon for the "*RESIN REGENERATION*" menu.

2

The values of the individual parameters can be changed using the + - keys. Alternatively, when a value is pressed, the alphanumeric keyboard appears and the desired value can be inserted and confirmed with the ✓ key. NOTE: entering values using the keyboard makes it possible to show the min/max interval that can be set.

3

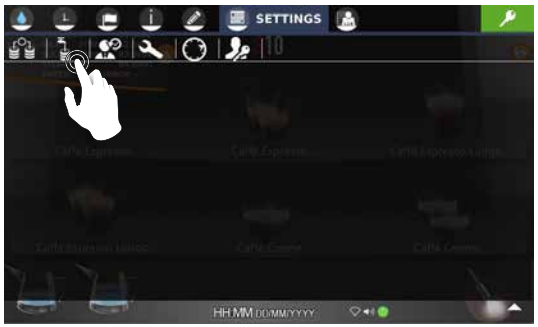
This function is activated by moving the switch from the red to the green background (from 0.1l to 25l), hardness (from 0 to 45 °F).

REGENERATION - includes the parameters for regenerating resin, softner capacity and water hardness: on reaching the limit calculated on the basis of the parameters set on the touch screen, a message is displayed which prompts resin regeneration. Also shows the descending resin efficiency level.

7.2 Water Filter Menu

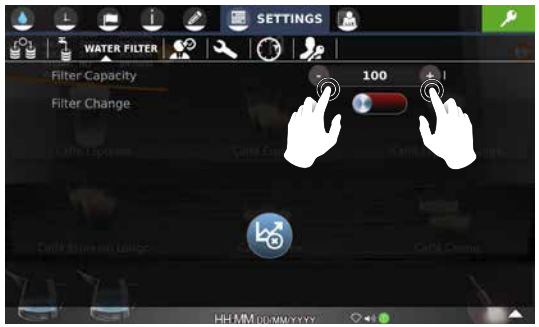
WATER FILTER

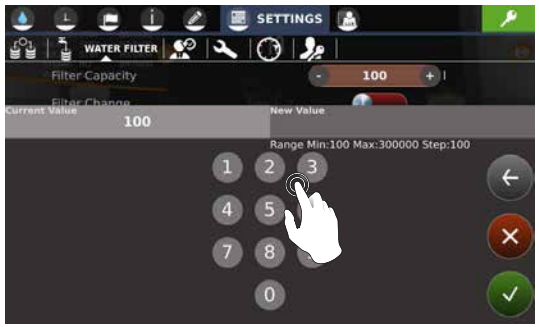
1



Select the icon for the "*WATER FILTER*" menu.

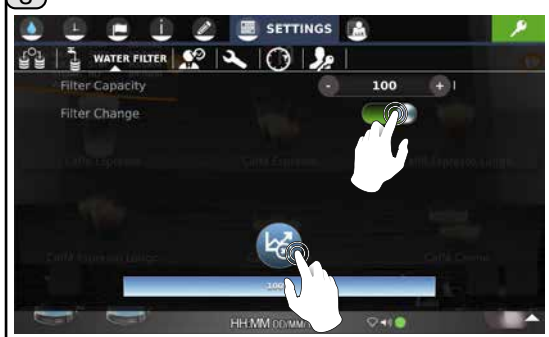
2





The values of the individual parameters can be changed using the + - keys. Alternatively, when a value is pressed, the alphanumeric keyboard appears and the desired value can be inserted and confirmed with the key. NOTE: entering values using the keyboard makes it possible to show the min/max interval that can be set.

3



The function is activated by moving the switch from the red background to the green background , viene attivata la funzione.

Push the symbol for a few seconds to clear the alarm, after replacing the filter.

4

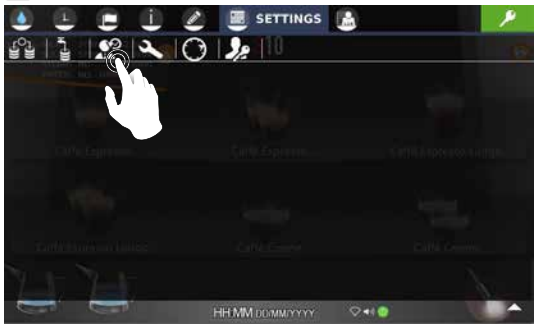
FILTER REPLACEMENT -On reaching the litre level set on the touch screen a message is displayed which prompts to replace the filter. For both functions, an efficiency percentage is displayed (Softener/Filter), descending from 100% to 0%.

English

7.3 Maintenance Menu

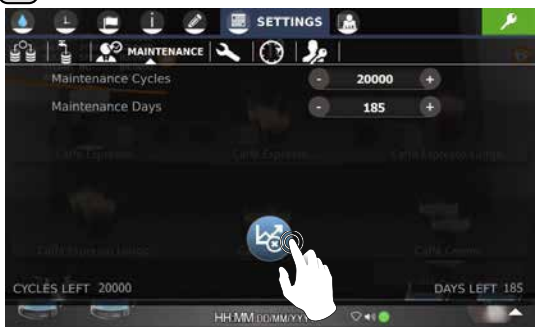
MAINTENANCE

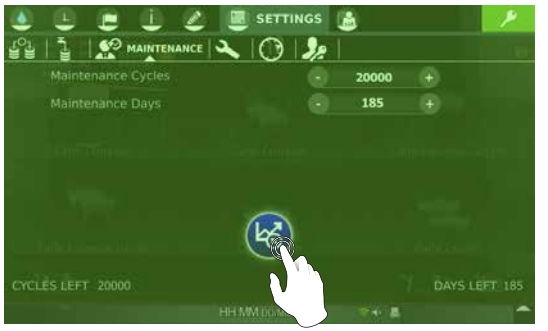
1



Select the icon for the "*MAINTENANCE*" menu.

2





Push the symbol for a few seconds to reset the maintenance.

3

MAINTENANCE - includes 4 items for setting maintenance parameters:

Max cycles - the number of cycles initially set: 20000.

Max days - the number of days initially set: 185.

No. cycles - the number of cycles until the next maintenance activity.

No. days- the number of days until the next maintenance activity.

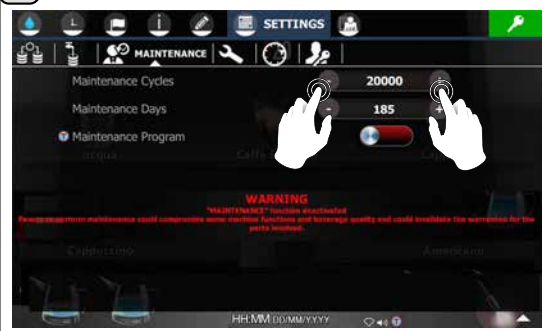
7.3 Maintenance Menu technician programming

MAINTENANCE

1

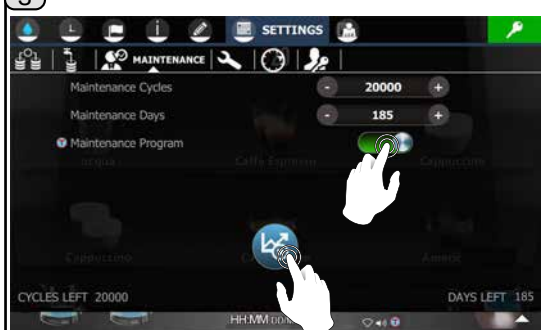
Select the icon for the "*MAINTENANCE*" menu.

2



The values of the individual parameters can be changed using the + - keys. Alternatively, when a value is pressed, the alphanumeric keyboard appears and the desired value can be inserted and confirmed with the key. NOTE: entering values using the keyboard makes it possible to show the min/max interval that can be set.

3



The function is activated by moving the switch from the red background to the green background , viene attivata la funzione.

Push the symbol for a few seconds to reset the maintenance.

4

MAINTENANCE - includes 4 items for setting maintenance parameters:

Max cycles - the number of cycles initially set: 20000.

Max days - the number of days initially set: 185.

No. cycles - the number of cycles until the next maintenance activity.

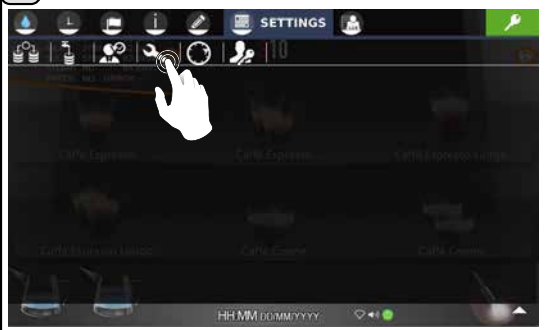
No. days- the number of days until the next maintenance activity.

English

7.4 Manual Commands Menu

MANUAL COMMANDS

1



Select the icon for the "*MANUAL COMMANDS*" menu.

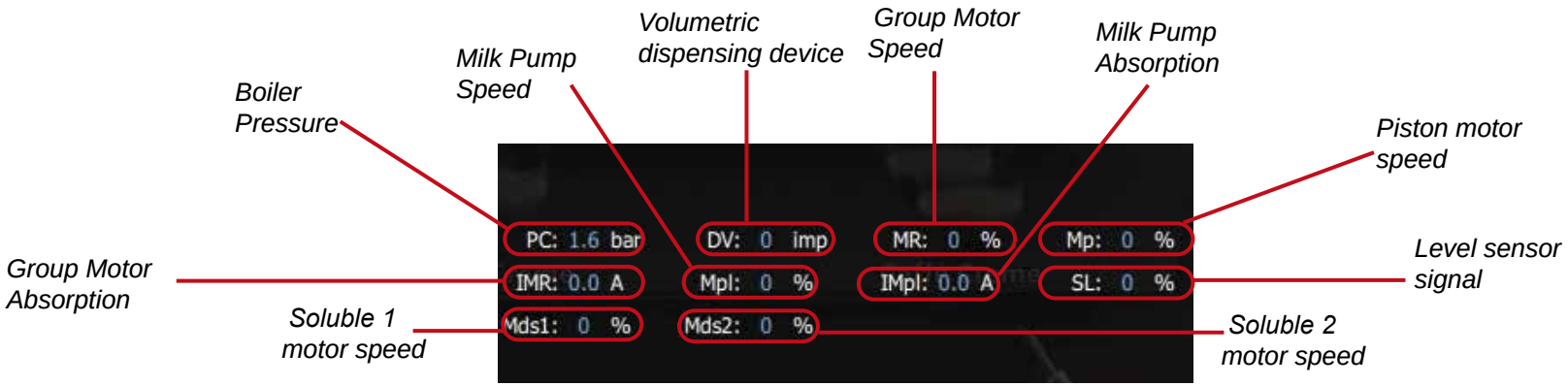
2

Select the icon and scroll through the commands.
The testing screen makes it possible to manually operate the components of the machine.

3

Milk pump motor
Single actuator
Service boiler emptying feature activation
Group piston motor
Multiple actuator
Motorised nozzle
Symbols used to define the components that can be accessed for movement
Group chamber motor
Switch off components

7.4 Manual Commands Menu



Below are the symbols used to define the components that can be accessed for movement:

Evc	Charge-boiler solenoid valve	**Esa**	Stop air solenoid valve	**Smc1÷Smc2**	No-coffee sensor
Echv	Soluble steam solenoid valve*	**Emdl**	Milk diverter solenoid valve*	**Sml1÷Sml2**	No-milk sensor*
G	Coffee solenoid valve	**Mav**	Soluble suction fan*	**MB**	Glass missing*
Ev	Steam solenoid valve	**Mmx**	Soluble mixing motor*	**Ls**	Drain level*
Eac	Hot water solenoid valve	**Mds1÷Mds2**	Soluble dispenser motor*	**WB**	Milk container sensor*
Echa	Soluble water solenoid valve	**MM1÷MM2**	Grinding machine motor	**Dc**	Decaf door
Em-Erp	Milk solenoid valve/Pressure reset solenoid valve*	**Pvb**	Vibrating pump	**EFC**	Delivery spout limit stop*
		MR	Group motor	**RC1÷RC2**	Service boiler heating element
Ed	Solenoid-valve diverter	**Mp**	Piston motor		
Elf1	Solenoid-valve cold wash*	**Mpl**	Milk pump motor*	**VE**	Cooling fan
Evi	Water input solenoid valve	**Fcp**	Piston limit stop	**EMR**	Group chamber motor encoder
Ear1	Air solenoid valve	**Fcc**	Camera limit stop		
Esm	Milk safety solenoid valve*	**SL**	Boiler level probe	**EMp**	Piston motor encoder
		Rc	Grounds drawer presence	**Isp**	Door switch

The components - * - are only applied with certain product configurations.

7.4 Manual Commands Menu

EMPTYING THE HYDRAULIC CIRCUIT

When putting the appliance into storage or for transportation from one location to another, the service boiler and hydraulic circuit pipes must be emptied.

To do this, the left side panel must be opened to access the pipes.

EMPTYING PROCEDURE: MACHINE ON AND IN NORMAL OPERATING CONDITION

1

Release the "*STEAM BOILER*" icon.
NOTE: electric heating and automatic level control are disabled; to return to normal operation you must turn the machine off and on again.

2

Select the icon and scroll through the commands to the item Eac.

3

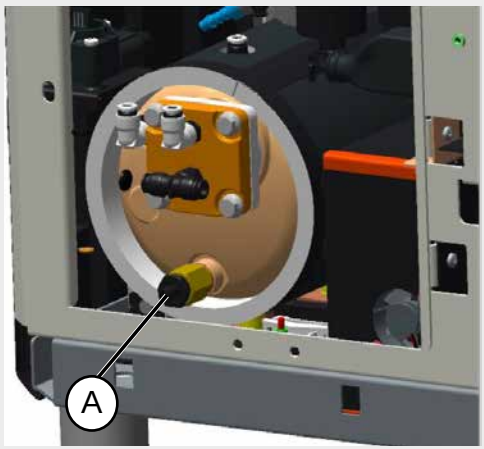
Select the icon Eac; the solenoid valve is activated; the status changes from grey ● to green ● and hot water flows from the dispenser.
NOTE: it is advisable to open the front panel to prevent steam from hitting the touch-screen display.

4

Wait for all the water to drain from the dispenser and only steam comes out, then select the icon Eac again; the status changes from green ● to grey ●.

EMPTYING THE HYDRAULIC CIRCUIT FOR STORAGE

5

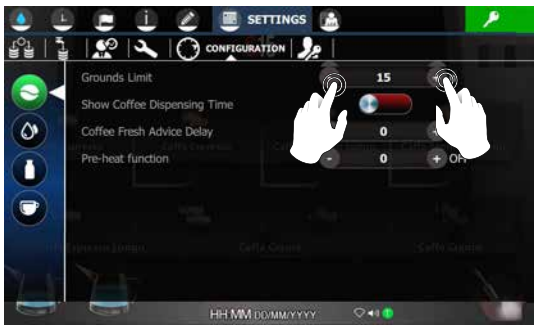


- turn off the machine;
- remove the left side panel;
  *insert a silicone tube in the valve (**A**);*
  *unscrew the valve (**A**);*
  *wait for all the water to drain then screw the valve (**A**) back on;*
  remove the silicone tube;
- close the left side panel;
- now the machine can be stored or transported.

7.5 Configuration Menu

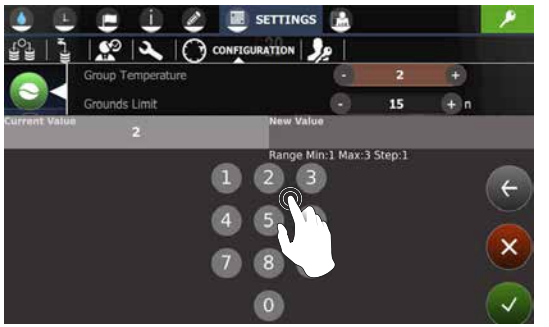
CONFIGURATION

Select the icon for the "*CONFIGURATION*" menu.



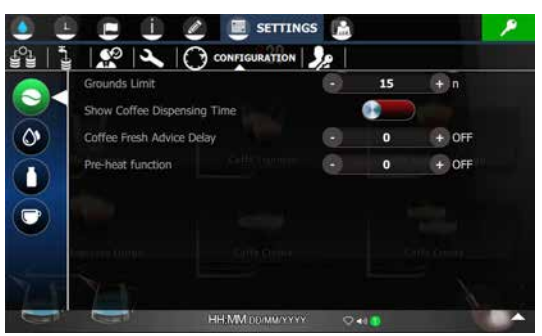
To activate the function, move the switch from the red to the green background .

The values of the individual parameters can be changed using the + - keys. Alternatively,



when a value is pressed, the alphanumeric keyboard appears and the desired value can be inserted and confirmed with the key.
NOTE: entering values using the keyboard makes it possible to show the min/max interval that can be set.

THE PARAMETERS THAT CAN BE SET ARE:



Grounds Limit - value relative to the amount of grounds from a min/max that can be set. If null, the machine operates without a grounds drawer (sending grounds directly to a container under the base).

Coffee dispensing time visible - YES/ NO: coffee dispensing time displayed in the dispensing panel.
See paragraph "Coffee dispensing time visible" below.

Not fresh coffee warning delay - indicates the time since the last grinding and possibly indicates the presence of not fresh coffee in the duct for each grinder, from a min/max that can be set.

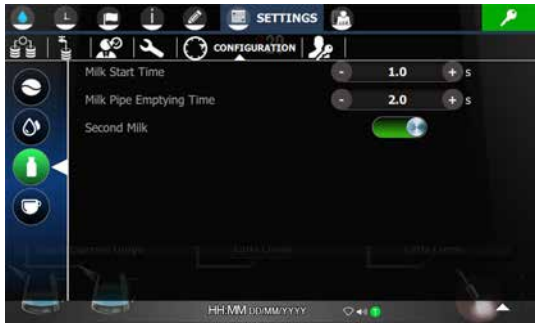
Warming function - if active, indicates a time since the last dispensing of coffee. Once this time has passed an icon will be displayed on the main screen to prompt warming.

Level Sensitivity - the value indicates the level of sensitivity of the machine when being loaded.
- set a value of 1 if the machine is installed with very conductive water.
- set a value of 3 if the water used is not very conductive (very soft).

7.5 Configuration Menu

Boiler Pressure - indicates the pressure of the boiler, from a min/max that can be set.

Pressure reset cycle - YES/ NO: if activated, the cycle is automatically carried out by the machine prior to each dispensing of milk.



Milk Start Time - indicates the milk start time from a min/max that can be set.

Milk Pipe Emptying Time - indicates the emptying of the milk pipe after dispensing, from a min/max that can be set.

Second milk - second milk module management YES/ NO: allows selection, for each beverage, of whether milk is taken from container 1 or 2.

Delivery Spout Movement Activation - YES/ NO see the paragraph "Delivery spout movement activation" below.

Customer Programming - programming by the customer: YES/ NO

Recipes per Page - indicates the number of recipes shown per page, from a min/max that can be set.

Back to Page One - YES/ NO: if active, after dispensing made on a different page, the machine automatically returns to page one.

Repetition selector - YES/ NO: if activated, it is possible to deactivate booking of dispensing.

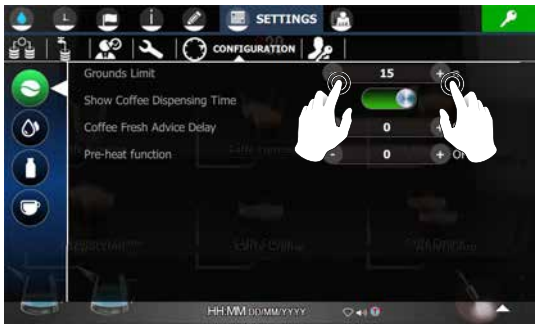
Stop button - YES/ NO: if activated, it is possible to disable the possibility of stopping beverage dispensing.

Payment system - payment system enabled YES/ NO.

English

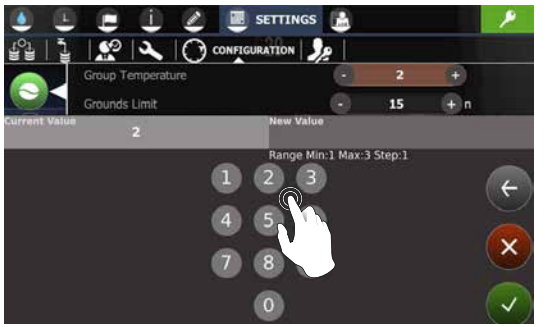
7.5 Configuration Menu technician programming

Select the icon for the "*CONFIGURATION*" menu.



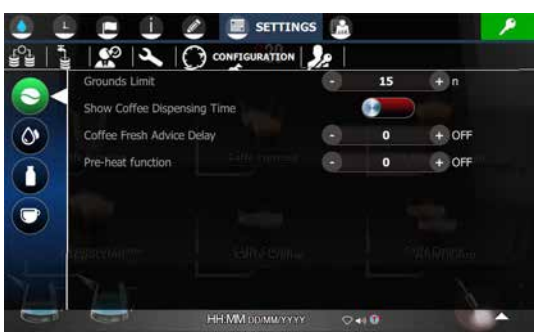
To activate the function, move the switch from the red to the green background .

The values of the individual parameters can be changed using the keys. Alternatively,



when a value is pressed, the alphanumeric keyboard appears and the desired value can be inserted and confirmed with the key.
NOTE: entering values using the keyboard makes it possible to show the min/max interval that can be set.

THE PARAMETERS THAT CAN BE SET ARE:

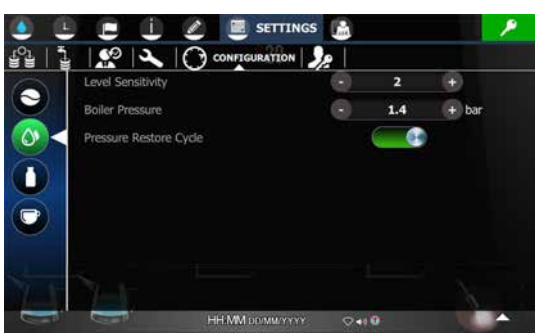


Grounds Limit - value relative to the amount of grounds from a min/max that can be set. If null, the machine operates without a grounds drawer (sending grounds directly to a container under the base).

Coffee dispensing time visible - YES/ NO: coffee dispensing time displayed in the dispensing panel.
See paragraph "Coffee dispensing time visible" below.

Not fresh coffee warning delay - indicates the time since the last grinding and possibly indicates the presence of not fresh coffee in the duct for each grinder, from a min/max that can be set.

Warming function - if active, indicates a time since the last dispensing of coffee. Once this time has passed an icon will be displayed on the main screen to prompt warming.

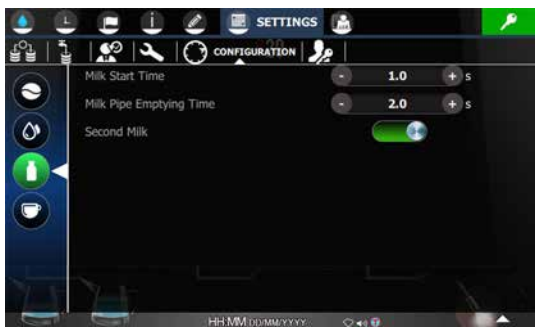


Level Sensitivity - the value indicates the level of sensitivity of the machine when being loaded.
- set a value of 1 if the machine is installed with very conductive water.
- set a value of 3 if the water used is not very conductive (very soft).

7.5 Configuration Menu technician programming

Boiler Pressure - indicates the pressure of the boiler, from a min/max that can be set.

Pressure reset cycle - YES/ NO: if activated, the cycle is automatically carried out by the machine prior to each dispensing of milk.



Milk Start Time - indicates the milk start time from a min/max that can be set.

Milk Pipe Emptying Time - indicates the emptying of the milk pipe after dispensing, from a min/max that can be set.

Second milk - second milk module management YES/ NO: allows selection, for each beverage, of whether milk is taken from container 1 or 2.

Delivery Spout Movement Activation - YES/ NO see the paragraph “Delivery spout movement activation” below.

Delivery spout movement sensitivity - indicates the variable sensitivity from a min/max that can be set. See the section "Delivery spout movement sensitivity" in the pages below.

Customer Programming - programming by the customer: YES/ NO

Recipes per Page - indicates the number of recipes shown per page, from a min/max that can be set.

Back to Page One - YES/ NO: if active, after dispensing made on a different page, the machine automatically returns to page one.

Repetition selector - YES/ NO: if activated, it is possible to deactivate booking of dispensing.

Stop button - YES/ NO: if activated, it is possible for the possibility of stopping beverage dispensing to be disabled.

Show Dispensing Progress - YES/ NO see the paragraph “Show Dispensing Progress” below.

Payment system - payment system YES/ NO.

Soluble dispenser productivity - Dispenser productivity parameter, relative to consumption of soluble powder, calculated based on time the dispenser is activated in [g/s].

MM1 Productivity - MM1 grinding machine productivity parameter, relative to coffee consumption, calculated based on grinding time in [g].

MM2 Productivity - MM2 grinding machine productivity parameter, relative to coffee consumption, calculated based on grinding time in [g].

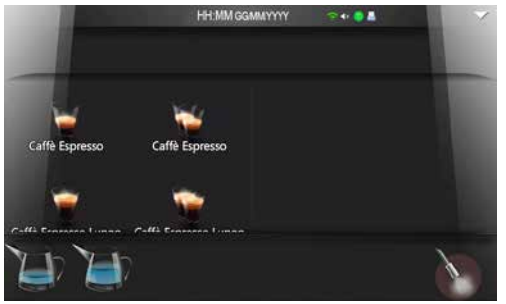
English

7.5 Pre-selection Mode

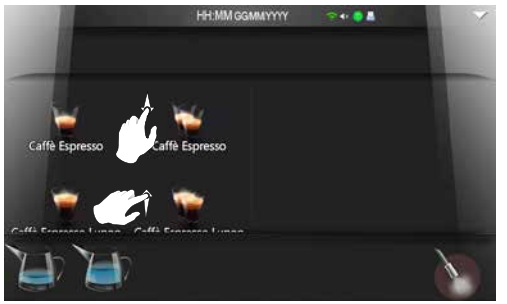
English

The *Pre-selection* function makes it possible to set up a list with the beverages to be dispensed in sequence.

When this function is active, the touch screen appears as follows:

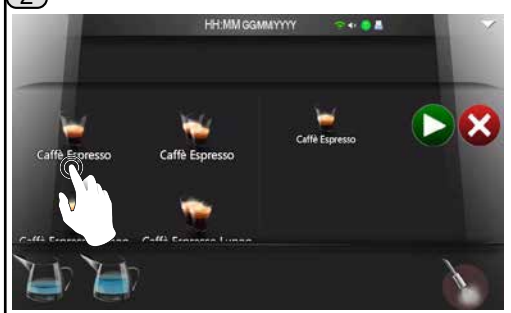


1



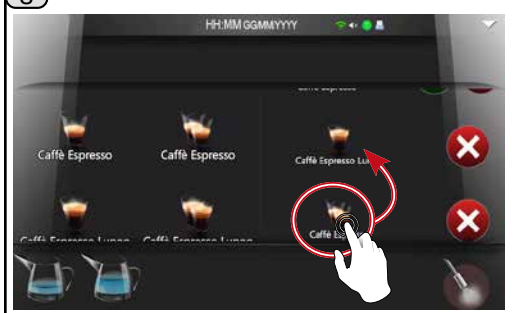
Scroll through the left part of the screen to show the available beverages.

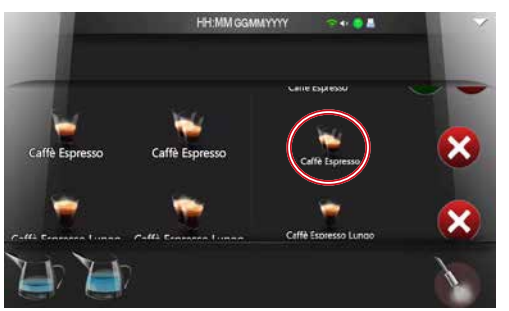
2



Select the beverages to be added to the list by pressing the corresponding icons;
the selections made are shown on the right side of the screen.

3





The beverage dispensing sequence can be changed by pressing and holding the chosen icon for several seconds and dragging it to the desired position in the list.

The icon will start dispensing the beverage

The icon eliminates the beverage from the list.

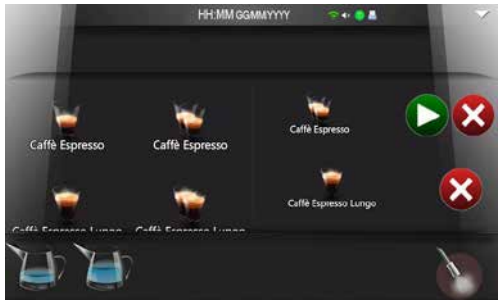
Note: if inserting decaffeinated powder during a pre-set dispensing sequence, the next coffee beverage from the list will be dispensed as decaf.

7.5 Pre-selection Mode

4

During beverage dispensing, the icon appears, which shows the progress made in the cycle.
Pressing the icon will interrupt current dispensing.

5



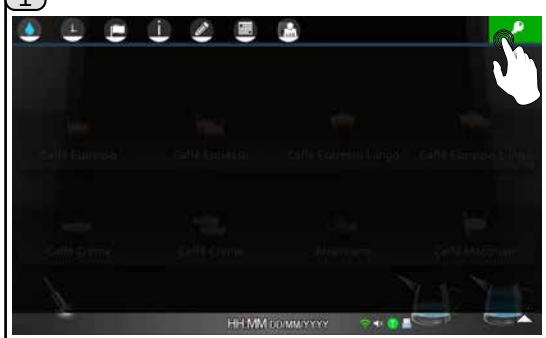
When dispensing is complete, the icon is shown, and the beverage just dispensed is removed from the list.
The icon moves to the side of the next selection.

English

7.5 Pre-selection Mode

The “Pre-selection” function can also be activated in the page to access technical programming, by pressing the icon in the figures shown below:

1

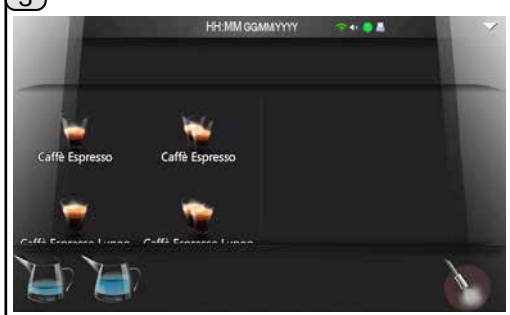


Press the technician access icon .

2

Press the pre-selection icon .

3

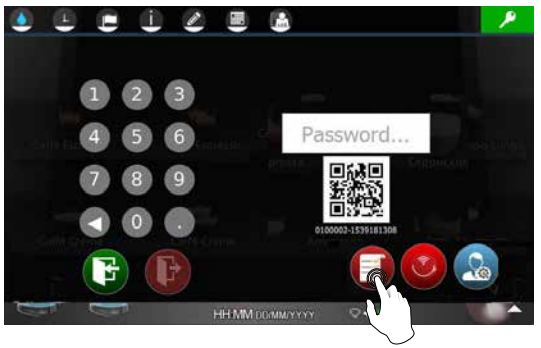


After a few moments, when the *Pre-selection* function is activated, the touch screen will show the following screen:

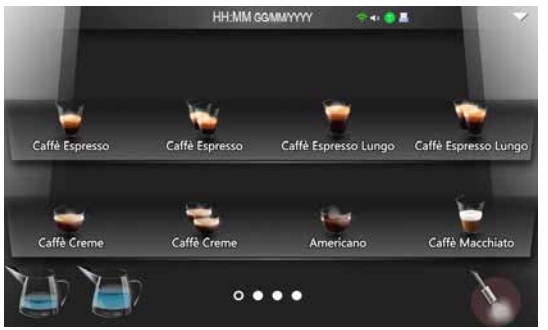
7.5 Pre-selection Mode

4

To disable the function, follow the same procedure pressing the pre-selection icon :



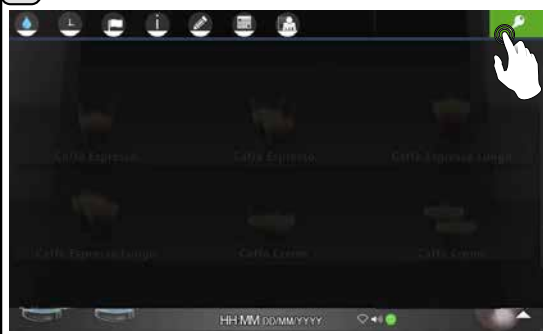
After a few moments the function will be disabled and the touch screen will show the selected mode:



7.5 QR Code Mode - CUP4YOU

The *QR Code* allows reading of machine data (serial number, counters). To access the symbol, proceed as follows:

1



Press the technician access icon .

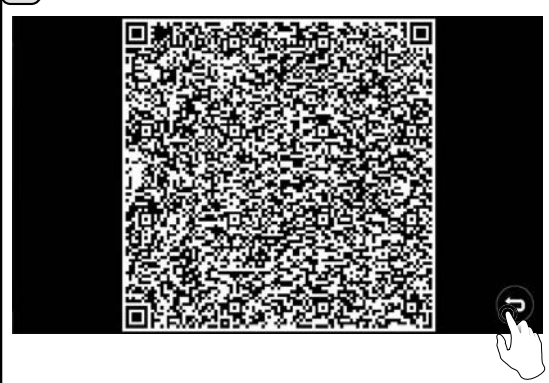
2

Push the QR icon :

3

The QR Code image will appear on the touch screen, to be framed with the device using the previously installed CUP4YOU application:

4



To exit QR Code mode, press .

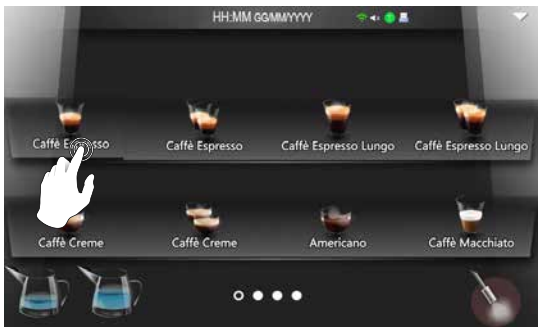
The *QR Code* enables interaction with the machine through the exclusive CUP4YOU application, developed by the Cimbali Group and available on the App Store and Google Play platforms.

CUP4YOU: description of functions

- Communication with the machine through Wi-Fi.
  NOTE: the machine and the device (smartphone or tablet) must be connected to the same Wi-Fi network.
- Creation of personal recipes.
- Customisation and selection of beverage proportions, the quantity in the cup, the intensity of the coffee and the emulsion level of the milk.
- Memorising recipes on smartphones and tablets.
- Managing orders in pre-selection mode.
- Gathering statistical information on the machine (counters, selection counters,etc.).

7.5 Show Dispensing Progress technician programming

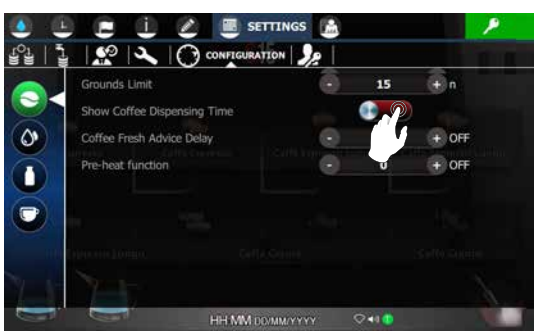
To activate the function, move the switch from the red to the green background.



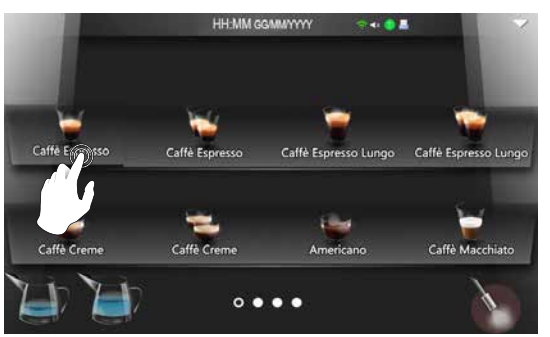
Press the icon corresponding to the selected beverage to start dispensing.

When the function is enabled, the beverage icon will be lit during dispensing.

7.5 Coffee dispensing time visible



To activate the function, move the switch from the red to the green background.

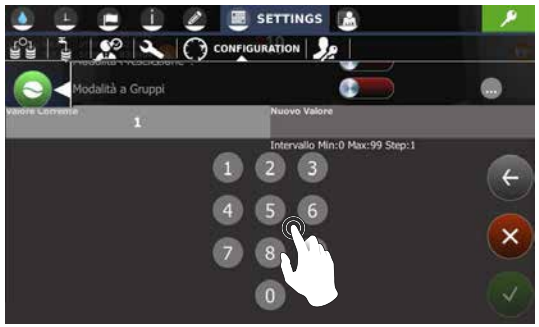


Press the icon corresponding to the selected beverage to start dispensing.

With this function enabled, the coffee dispensing time is displayed in the dispensing panel.

7.5 Coffee fresh advice delay

1



The values of individual parameters can be changed using the + - keys. Alternatively, when a value is pushed, the alphanumeric keyboard appears and the desired value can be inserted and confirmed with the ✓ key.
NOTE: when the keyboard is used to insert values, the min/max range allowed can be seen.

2

Push the icon corresponding to the selected beverage to start dispensing.

3

The indicator light will appear on the touch screen until the dispensing is completed.

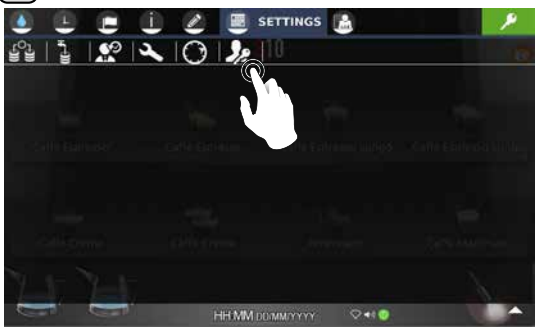
When this function is active, if the ground coffee used to prepare a beverage was not ground recently, an indicator light appears on the touch screen during dispensing:
The criteria used to determine whether the coffee is “not fresh” is the time (in minutes) that has passed since the last grinding was done.
Example:
- if the machine dispenses a coffee within 10 minutes, no light appears during dispensing because the ground coffee is considered “fresh”;
To return to “fresh coffee” conditions, simply dispense 1 or 2 coffee based beverages.

English

7.6 Set Password Menu

SET PASSWORD

1



Select the icon for the "*SET PASSWORD*" menu.

2

Changing the password by scrolling through the numbers:

Once the password has been set, confirm the selection with the icon.

NOTE: currently only the technician password change is enabled. The other passwords are used to access customer programming and for washings in SELF mode.

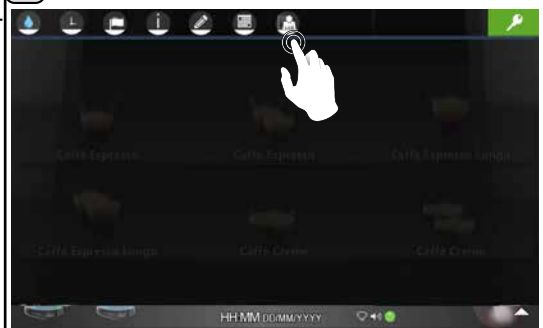
8. Documentation Menu

The DOCUMENTATION menu allows you to consult the user manual and the technical manual for the machine.

USER MANUAL

TECHNICAL MANUAL

1



Select the icon to access the "*DOCUMENTATION*" menu.

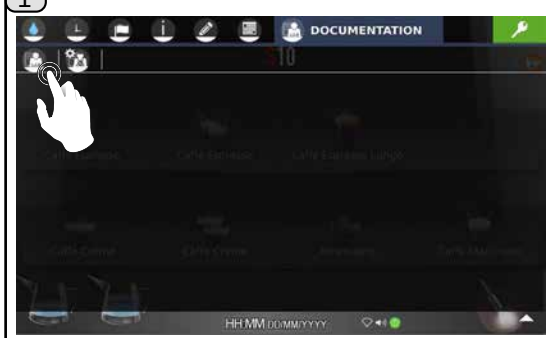
2

English

8.1 User Manual Menu

USER MANUAL

1



Press the icon to access the "*USER MANUAL*".

2

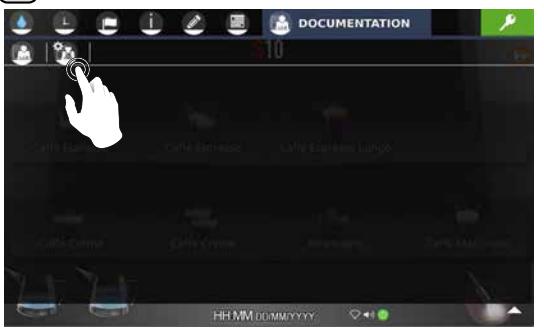
8.2 Technical Manual Menu

TECHNICAL MANUAL

English

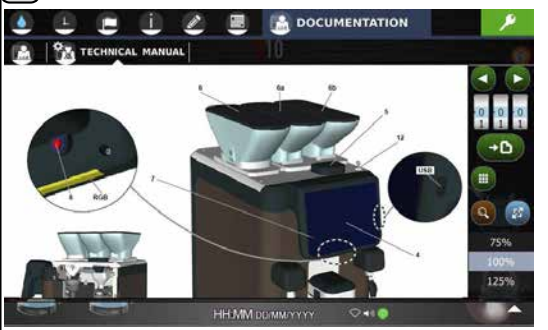
The DOCUMENTATION menu allows you to consult the technical manual for the machine.

1



Select the  icon for the "*TECHNICAL MANUAL*" menu.

2



3

single-page scrolling
select page
page view
miniature page
full screen
search for text
magnification level

Key to icons used:

 to scroll back and forward through the pages one-by-one

 scroll  through the pages, then press  the number to show the desired page

 to view the pages in miniature

 to search for the desired text

 to expand the page to full screen or shrink it

to set the page magnification level.

9. Diagnostics messages

FAULT CODE	DESCRIPTION	POSSIBLE CAUSES	ACTIONS
003	Coffee group mobile chamber movement error	• Key missing • Mechanical block • Motor faulty • Motor encoder faulty • Limit switch faulty (when opening) • CPU faulty	• Insert key • Check for mechanical interference • Check motor function. Replace if necessary • Check limit stop function (Fcc). Replace if necessary • Check presence of magnets on chamber • Replace CPU • Check wiring • Replace drive sub group
004	Coffee group movement error	• error 003 or error 007 occurred 3 consecutive times	• After the 004 malfunction occurs, the machine is blocked: identify the origin by referring to the causes and actions for errors 003 and/or 007. Once the anomaly has been resolved, switch the machine off and on again to restore normal operation.
007	Coffee group lower piston movement error	• Mechanical block • Motor faulty • Motor encoder faulty • Limit switch faulty (in descent) • CPU faulty	• Check for mechanical interference • Check motor function. Replace if necessary • Check limit stop function (Fcp). Replace if necessary • Check presence of magnets on piston • Replace CPU • Check wiring • Replace drive sub group
008	Coffee group movement timeout	• Overload during operation for chamber and/or lower piston • Failure to achieve absorption during compression or drying • CPU faulty	• Check drive sub group function • Clean hydraulic sub group • Check group power supply • Replace CPU

9. Diagnostics messages

FAULT CODE	DESCRIPTION	POSSIBLE CAUSES	ACTIONS
017	Soluble dispenser motor-driver malfunction	• Short circuit in wiring or motor. • Faulty slave CPU expansion board.	• Check the wiring. • Check/replace the motor. • Check/replace the slave CPU expansion.
018	Spout movement timeout	• Mechanical block • Limit stop not functioning • Motor/encoder faulty • Incorrect setting of “delivery spout movement sensitivity” parameter.	• Check for mechanical interference • Check motor function. Replace motor • Check adequacy of delivery spout stroke according to set value. Replace motor • Check limit stop (EFC). Replace limit stop if necessary • Check wiring and mechanical assembly. Replace the assembly • Check motor power supply • Replace CPU • Reduce “delivery spout movement sensitivity” parameter.
019	No communication with slave CPU expansion board.	• Slave CPU board not updated (boot V.2.3 or later, code 538.092.050 or later). • Slave CPU expansion board not well connected. • Faulty slave CPU board. • Faulty slave CPU expansion board.	• Check the version of the slave CPU board. • Check the correct connection between the slave CPU board and the slave CPU expansion board. • Check the correct red LED status light present on the CPU slave expansion board and see if it is flashing (it should be flashing at 2 Hz in boot mode, flashing at 1 Hz in application mode, fixed light if connected but with no communication from slave CPU board). • If the error continues, replace the faulty board.
020	USB power-supply malfunction	• USB-port current-consumption too high	• Check the status of the USB port and its connections in order to identify possible causes of excessive consumption (e.g. short-circuit). • Once the cause of the malfunction is fixed the USB port should restore itself automatically and return to normal operation. • If the problem persists, replace the CPU board
024	Clock malfunction	• Inconsistent date and time information.	• Reset date and time. • If the error persists, replace the master control panel.

9. Diagnostics messages

FAULT CODE	DESCRIPTION	POSSIBLE CAUSES	ACTIONS
025	Lower-piston motor power supply alarm	• Short circuit in wiring or motor	• Check that voltage is reaching the CPU board • Check the power supply (protection) • Check wiring
026	Milk-pump motor-driver malfunction	• Short circuit in wiring or motor	• Check the wiring. • Check/replace the motor • Check/replace the CPU
030	Slave CPU failure	• No communication with slave CPU board	• Check wiring, connections and power supply of the slave CPU. • If the problem error persists, replace the slave CPU board.
037	Milk conductivity sensor fault.	• Sensor disconnected from electricity. • Sensor faulty. • Faulty slave CPU board.	• Check the wiring. • Replace the sensor. • Replace the board. G6.
038	Milk temperature sensor fault.	• Sensor disconnected from electricity. • Sensor faulty. • Faulty slave CPU board.	• Check the wiring. • Replace the sensor. • Replace the board. C7.
039	Lack of detergent during milk wash.	• Milk wash carried out without using the appropriate detergent. • Inappropriate liquid detergent. • Faulty milk conductivity sensor. • Faulty slave CPU board.	• Perform the wash using the liquid detergent, observing the instructions of the procedure described in the user manuals. • Use the liquid detergent recommended in the user manuals. • Replace the sensor. D8 • Replace the board. D8.
040	Milk pump overcurrent alarm	• Overload during operation • Rotor blocked • Pump motor faulty	• Check wiring • Check/replace milk pump (Mpl) • Check/replace slave CPU

9. Diagnostics messages

FAULT CODE	DESCRIPTION	POSSIBLE CAUSES	ACTIONS
044	Lack of coffee MM1.	• Lack of coffee MM1 • MM1 coffee hopper blockage • MM1 grinding too fine • Blockage MM1 coffee chute • “No coffee” sensor faulty (where present) • MM1 motor faulty • Insufficient coffee dose	• Pour the coffee into the MM1 hopper • Check for coffee blockage in the MM1 hopper • Use a coarser grind for MM1 • Check for blockages of the MM1 coffee chute • Replace MM1 no-coffee sensor • Replace MM1 motor • Increase MM1 coffee dose
045	Lack of coffee MM2.	• Lack of coffee MM2 • MM2 coffee hopper blockage • MM2 grinding too fine • Blockage MM2 coffee chute • “No coffee” sensor faulty (where present) • MM2 motor faulty • Insufficient coffee dose	• Pour the coffee into the MM2 hopper • Check for coffee blockage in the MM2 hopper • Use a coarser grind for MM2 • Check for blockages of the MM2 coffee chute • Replace MM2 no-coffee sensor • Replace MM2 motor • Increase MM2 coffee dose
046	Lack of coffee DEK	• DEK dose not present • DEK chute blocked	• Add DEK dose • Check for blockages in coffee slides.
049	Dispensing stop due to lack of milk	• There is no milk in the container. • No milk was drawn. • Faulty milk conductivity sensor. • Faulty slave CPU board.	• Fill the milk container. • Check that the milk suction part of the circuit works properly. • Replace the sensor. • Replace the board.
050	Dispensing stop, low service boiler pressure.	• Incoming water is particularly cold. • Dissolved gas in the water being released in the service boiler.	• Check hardness and pH of the water entering the machine and the water treatment system. • Activate the cycle to reset the boiler pressure.

9. Diagnostics messages

FAULT CODE	DESCRIPTION	POSSIBLE CAUSES	ACTIONS
051	Service boiler pressure sensor anomaly	• Sensor disconnected from electricity • Sensor faulty • CPU board faulty	• Check the wiring. • Replace the sensor. • Replace the board.
052	Time-out service boiler heating	• Resettable safety thermostat intervention. • Heating element wiring and/or triac board interrupted. • Heating element interrupted. • Triac board or CPU slave malfunction	• Check if the safety thermostat has tripped and, if it has, reset it. • Check whether there are interruptions or detached faston connectors in the wiring. • Check that the boiler heating element is not interrupted and if so replace it. • Replace Triac board.
058	Service boiler over-pressure anomaly	• Level probe malfunction; service boiler clogged. • Heating element continuously supplied. • Triac board faulty. • Pressure sensor faulty.	• Check the level probe. • Check the wiring. • Replace triac board. • Replace pressure sensor.
059	Time-out service boiler loading	• Water circuit supply interrupted • Solenoid valve Evi faulty or disconnected • Water pump (Pvb) faulty or disconnected • Loading circuit blocked • Break in wiring • CPU board faulty • Level sensor dirty or faulty	• Check connection to the water supply (> 2 bar) (in the case of suction from a water tank, use of an auxiliary pump) • Check/replace the Evi solenoid valve. • Check/replace water pump (Pvb) • Check/replace pressure reducer (Rp) • Check flowmeter (DV) • Check wiring • Check/replace level probe • Replace CPU board

9. Diagnostics messages

FAULT CODE	DESCRIPTION	POSSIBLE CAUSES	ACTIONS
060	Service boiler level signal anomaly.	• Electrical disturbance in earth connection.	• Check earthing and machine insulation.
066	Incorrect dose during coffee dispensing	• Water circuit supply interrupted • Excessive ground coffee dose • Ground coffee too fine • EvG solenoid valve blocked • Solenoid valve Evi faulty or disconnected • Water pump (Pvb) faulty or disconnected • Water pump (Pvb) bypass faulty • Expansion valve (Ve) faulty • Flowmeter faulty. • Filter/sprayhead blocked • CPU board faulty	• Check connection to the water supply (> 2 bar) (in the case of suction from a water tank, use of an auxiliary pump) • Check ground coffee dose and grind level • Check/clean coffee filter and sprayhead • Check/clean EvG solenoid valve • Check/replace the Evi solenoid valve. • Check/replace water pump (Pvb) • Check flowmeter (DV) reading increase during dispensing • Check replacement of expansion valve (Ve) • Check/replace water pump (Pvb) bypass • Replace flowmeter • Check wiring • Replace CPU board
067	Irregular flow from delivery spout during coffee group wash	• Water circuit supply interrupted • Filter/sprayhead blocked • Coffee circuit blocked • EvG solenoid valve blocked • Solenoid valve Evi faulty or disconnected • Water pump (Pvb) faulty or disconnected • Water pump (Pvb) bypass faulty • Expansion valve (Ve) faulty • Flowmeter faulty.	• Check connection to the water supply (> 2 bar) (in the case of suction from a water tank, use of an auxiliary pump) • Check/clean coffee filter and sprayhead • Check/clean coffee circuit • Check/clean EvG solenoid valve • Check/replace the Evi solenoid valve. • Check/replace water pump (Pvb) • Check replacement of expansion valve (Ve) • Check/replace water pump (Pvb) bypass • Replace flowmeter • Check wiring • Replace CPU board.

9. Diagnostics messages

FAULT CODE	DESCRIPTION	POSSIBLE CAUSES	ACTIONS
088	NVM EEPROM data integrity error	• Data integrity error in non-volatile memory of the slave CPU.	• Turn the machine off and on again. • If the problem error persists, replace the slave CPU board.
089	NVM RAM data integrity error.	• Data integrity error in non-volatile RAM memory of the master CPU.	• Turn the machine off and on again. If the error persists, replace the master control panel.
092	Request water softener resin regeneration.		• Softener maintenance.
093	Need to replace water filter.		• Replace the water-softner filter.
094	Enable boiler safety valve test.	• Access was made with a specific USB key to enable the service boiler safety valve test function.	
095	Event logged each time a Master authorisation is performed.		
096	Maintenance due alarm.		• Carry out ordinary maintenance.
097	Reset password.	• Action desired by the user by entering the relevant code.	
098	Malfunction archive reset.	• Initialisation malfunction history structure	

9. Diagnostics messages

FAULT CODE	DESCRIPTION	POSSIBLE CAUSES	ACTIONS
099	Loading standard data.	• Load factory settings requested.	• If the error persists, replace the master control panel.
100	Database integrity error	• Data integrity error in the database of the master CPU.	• Turn the machine off and on again. Check interconnection wiring between the CPU boards. • If the error persists, replace the master control panel.
101	Serial port to slave CPU malfunction.	• Malfunction of the serial communication port with the slave CPU.	
102	Touchscreen fault. The touchscreen does not respond.	• Electrical disturbances.	When the problem occurs, the machine immediately carries out a reset procedure to return to normal operation. • Check earthing and machine insulation.
103	Restore NVM CPU master parameters.	• Power supply anomalies. • Electrical disturbances.	When the problem occurs, the machine immediately carries out a reset procedure to return to normal operation. • If necessary, check earthing and machine insulation.
106	Event logged each time the maintenance check is deactivated.		
107	Opening master panel.	• Open panel indicator.	

10. Coffee Circuit Anomalies

ANOMALY DESCRIPTION	POSSIBLE CAUSES
The machine does not dispense the beverages requested	a) Boiler pressure not reached b) incorrect grind c) coffee group not functioning d) coffee filter blocked e) FEP tube from the coffee dispenser group blocked f) coffee delivery spout openings blocked g) water pump not functioning h) no water supply (or pressure/flow insufficient) i) water pump bypass faulty j) expansion valve faulty (added) k) EvG blocked or not functioning l) Evi input not functioning
Difficulty in assembling top cover	a) presence of coffee beans in the supply tube of the grinding chamber b) electrical wires pinched between the cover and the frame of the machine
Difficulty correctly positioning the hopper in the machine	a) make sure the shutter is open
The dispenser group does not move or moves incorrectly	a) mobile chamber gearmotor or lower piston not functioning b) mobile chamber gearmotor encoder or lower piston not functioning c) Fcc or Fcp limit stop not functioning d) CPU slave board not functioning e) grounds drawer removed f) front panel not closed correctly g) technical key not correctly inserted
Grinder/dispenser not functioning	a) gearmotor not functioning b) rotating grinder mechanically blocked c) gearmotor power supply with inverted polarity (added) d) grinding too fine e) intervention of motor overheating protection
The final temperature of the beverage is incorrect	a) opening of mixing regulator incorrect b) resettable safety thermostats intervention c) beverage flow inadequate d) manual warming cycle not carried out

10. Coffee Circuit Anomalies

ANOMALY DESCRIPTION	POSSIBLE CAUSES
Beverage dispensing time incorrect	a) ground coffee dose incorrect b) ground coffee grind incorrect c) coffee conveyor on dispenser group not present d) coffee filter blocked f) coffee beans are causing an accidental obstruction in the hopper g) rotating grinder mechanically blocked h) manual warming cycle not carried out
Beverage division dose discard >10%	e) delivery-spout-cover holes clogged with dried coffee f) Ø 2 holes for pressurised division clogged by dried coffee g) Ø 2 holes for pressurised division with presence of processing residues h) grinding too fine
Dry ground coffee residues on the group and/or machine base	a) ground coffee manifold incorrectly positioned b) incorrect grounds limit setting
Formation of bubbles and/or poor beverage quality	a) extraction temperature incorrect b) incorrect grind c) ground coffee dose incorrect d) air leaking from delivery-spout-cover gasket e) coffee beans old f) coffee conveyor on dispenser group not present
Uneven beverage colour	a) extraction temperature incorrect b) coffee residues in tubes at the end of dispensing. Wash coffee circuit c) incorrect grind d) coffee dose incorrect
Only water comes out of delivery spout (except during washing cycle)	a) grinder/dispenser gearmotor not functioning b) rotating grinder mechanically blocked c) coffee beans are causing an accidental obstruction in the hopper d) recipe coffee dose setting incorrect
Inconsistent coffee dose in cup	a) volumetric counter failed b) flowmeter accidentally in contact with machine frame

10. Milk circuit anomalies

ANOMALY DESCRIPTION	POSSIBLE CAUSES
The machine does not dispense the beverages requested	a) boiler temperature setting not reached (1st heating) b) no milk c) milk suction line not immersed or pinched d) blockage of filter connected to milk suction tube e) incorrect "trigger" parameter setting f) milk pump not functioning g) milk pump encoder not functioning h) Ed solenoid valve not functioning i) excessive opening of air regulator j) low milk pump rotation speed k) accidental leakage of air from tubes
The gear pump does not trigger the fluid stream	a) excessive opening of air regulator b) incorrect "trigger" parameter setting c) blockage of filter connected to milk suction tube d) gear pump v Mpl setting incorrect e) accidental leakage of air from tubes
Low dose in cup	a) gear pump v Mpl setting incorrect b) milk circuit tube partially blocked c) incorrect "trigger" parameter setting
Low temperature in cup	a) over-heated air in the boiler b) gear pump v Mpl setting incorrect c) suctioned milk temperature close to 0°C d) insufficient opening of air regulator (frothed milk) e) anti-backflow valve on steam line faulty or not facing the right direction f) anti-backflow valve on air line faulty or not facing the right direction
Temperature in cup excessive compared to the set value	a) suctioned milk temperature >3-5°C b) blockage of filter connected to milk suction tube c) excessive opening of air regulator (frothed milk) (added) d) gear pump v Mpl setting incorrect
Division of the dose not equal	a) dry milk residue inside the delivery spout b) excessive opening of the air regulator
Poor quality in cup	c) inadequate opening of air regulator d) blockage of filter connected to milk suction tube e) final temperature > 72-75°C f) gear pump v Mpl setting incorrect g) incorrect "trigger" parameter setting h) milk pre-frozen in storage stage

10. Milk circuit anomalies

Escape of steam from the delivery spout at start of dispensing	a) blockage of filter connected to milk suction tube b) milk pump not functioning c) milk pump encoder not functioning d) milk suction tube not immersed in the milk e) incorrect "trigger" parameter setting f) inadequate opening of air regulator g) solenoid valve Ear1 faulty or not electrically connected
ANOMALY DESCRIPTION	**POSSIBLE CAUSES**
Lack of, or partial, frothing	a) solenoid valve Esa not functioning b) inadequate opening of air regulator c) anti-backflow valve on air line faulty or not facing the right direction d) milk pre-frozen in storage stage
The milk circuit still full of residue at end of dispensing	a) no water supply (or pressure/flow insufficient) b) water pump bypass faulty c) Evi input not functioning d) solenoid valve Elf1 faulty or disconnected e) water pump not functioning
The delivery spout is clogged with milk residues	a) no water supply (or pressure/flow insufficient) b) water pump bypass faulty c) Evi input not functioning d) solenoid valve Elf1 faulty or disconnected e) water pump not functioning f) incorrect programming of short cold wash from last dispensing
The milk suction tube is still full at end of dispensing	a) solenoid valve Ear not functioning b) presence of a siphon in the milk suction tube

10. Soluble Circuit Anomalies

ANOMALY DESCRIPTION	POSSIBLE CAUSES
The machine does not dispense the beverage	a) boiler temperature setting not reached (1st heating) b) mixer motor failed or disconnected c) mixer clogged by soluble powder d) tubes downstream of the mixer clogged by undissolved product residues e) water pump faulty or disconnected f) dispensing performed in the absence of steam component due to control panel open
Lower than nominal dose in cup	a) undissolved product residues in tubes b) undissolved product residues in mixer
Low powder dose	a) incorrect dispenser speed setting b) addition of powder in wrong hopper (with double soluble hopper)
Low temperature in cup	a) incorrect temperature setting in the recipe
Temperature in cup excessive	a) incorrect temperature setting in the recipe b) solenoid valve Echa faulty or disconnected
The delivery spout is blocked with soluble powder residues	a) incorrect programming of short wash from last dispensing b) solubilisation temperature incorrect. High density of soluble powder
Clear water coming out of the delivery spout	a) no supply of powder to the soluble powder transport spring b) dispenser gear motor failed or disconnected

10. Long Coffee Circuit Washing Anomalies

ANOMALY DESCRIPTION	POSSIBLE CAUSES
The wash took longer than usual	a) possible blockage of sprayhead and/or filter by used coffee grounds b) water pump bypass faulty c) washing tablet caked on the coffee filter

10. Milk circuit recirculating washing anomalies

ANOMALY DESCRIPTION	POSSIBLE CAUSES
Incorrect execution of wash	a) water supply stopped (or pressure/flow insufficient) b) Evi input not functioning c) water pump faulty or disconnected d) water pump bypass faulty e) milk pump faulty or disconnected
Water nozzle vaporisation phenomena	a) water pump bypass faulty
Collection container does not empty	a) excessive opening of hot milk air regulators b) milk pump faulty or disconnected c) the suction tube is not properly positioned on the bottom of the collection container

10. Soluble Circuit Washing Anomalies

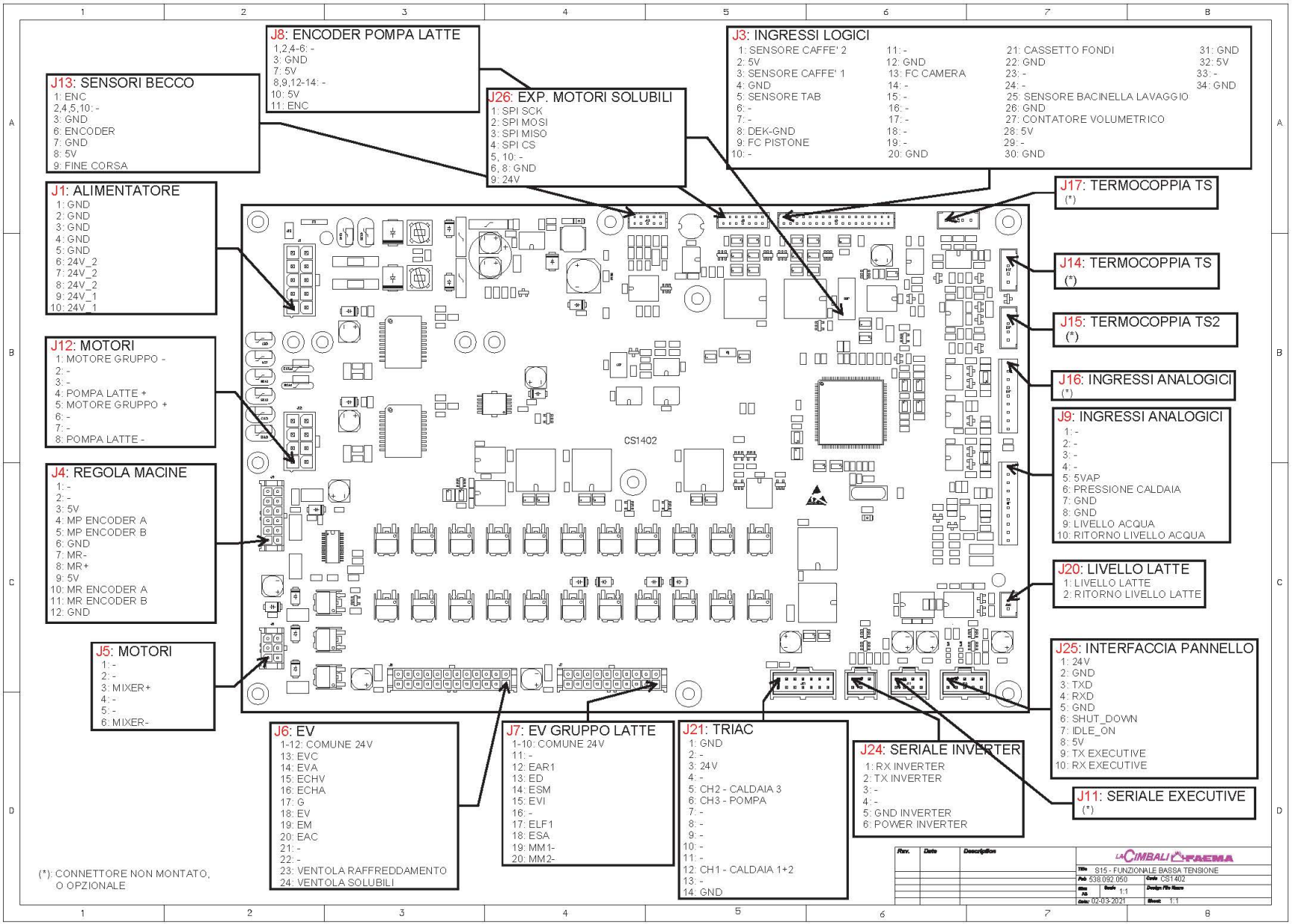
ANOMALY DESCRIPTION	POSSIBLE CAUSES
Wash unsuccessful	a) mixer motor failed or disconnected b) mixer clogged by soluble powder c) tubes downstream of the mixer clogged by soluble powder d) water pump faulty or disconnected

10. Machine Component Anomalies

ANOMALY DESCRIPTION	POSSIBLE CAUSES
Hoppers damp	a) operating anomaly of the steam extraction fan
Rotating grinder-holder mechanically blocked	a) foreign body interposed between the grinders b) grinding too fine c) blockage of coffee duct leaving grinder
Water pump not functioning	a) water pump faulty or disconnected b) intervention/fault of overheating protection
The machine does not turn on	a) no mains electricity d) on/off switch off or failed
Service boiler not reaching the set temperature	a) intervention of safety thermostat b) triac failed
Touch-screen display off	a) display board failed b) switching power supply unit failed c) break in cabling
No machine work-surface lighting	a) RGB LEDs failed b) break in cabling
Safety valve intervention	a) pressure sensor faulty - Triac board faulty b) solenoid valve Evc failed or disconnected - boiler empty/clogged c) self-levelling circuit interrupted - boiler clogged
Liquid dripping on the surface supporting the machine	a) discharge pan O-ring gasket fitting worn b) pan not inserted all the way
Continuous grounds-drawer-removed warning	a) drawer presence switch faulty b) break in switch wiring c) grounds drawer not correctly pressing presence switch d) draw not present

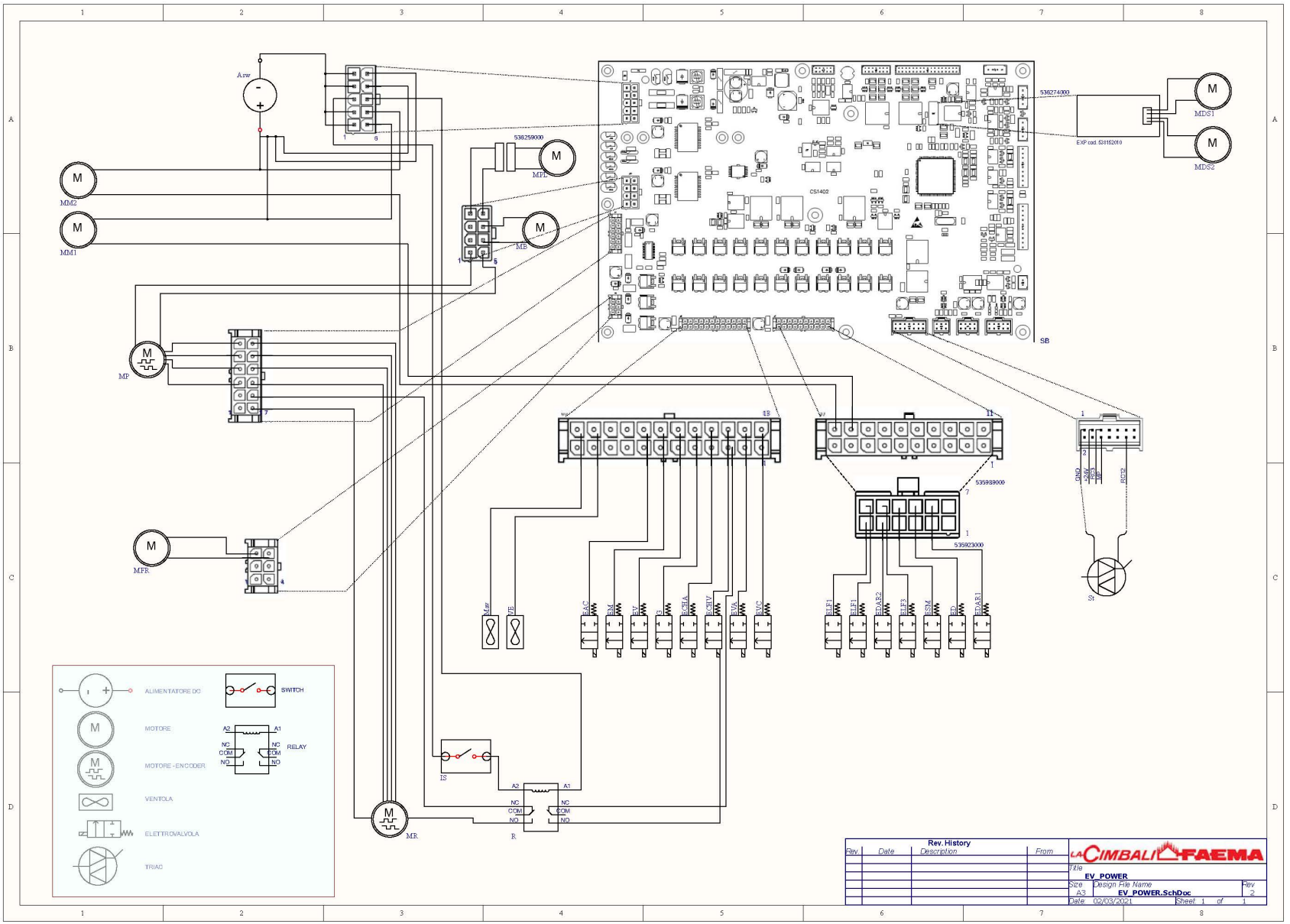
Schema elettrico - Wiring diagram - Schéma électrique -

Elektrischer Schaltplan - Esquema eléctrico - Esquema elétrico



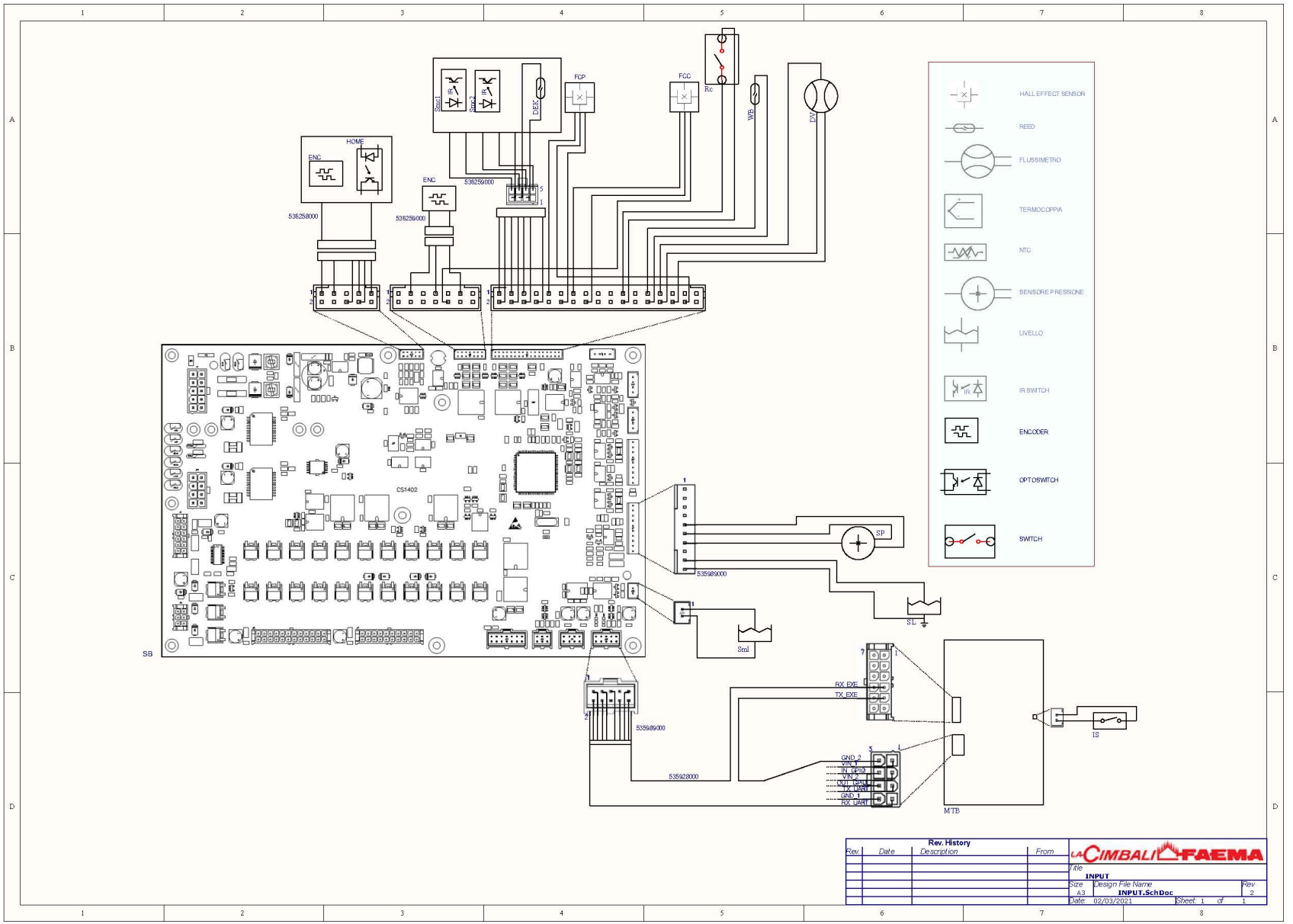
Schema elettrico - Wiring diagram - Schéma électrique -

Elektrischer Schaltplan - Esquema eléctrico - Esquema elétrico



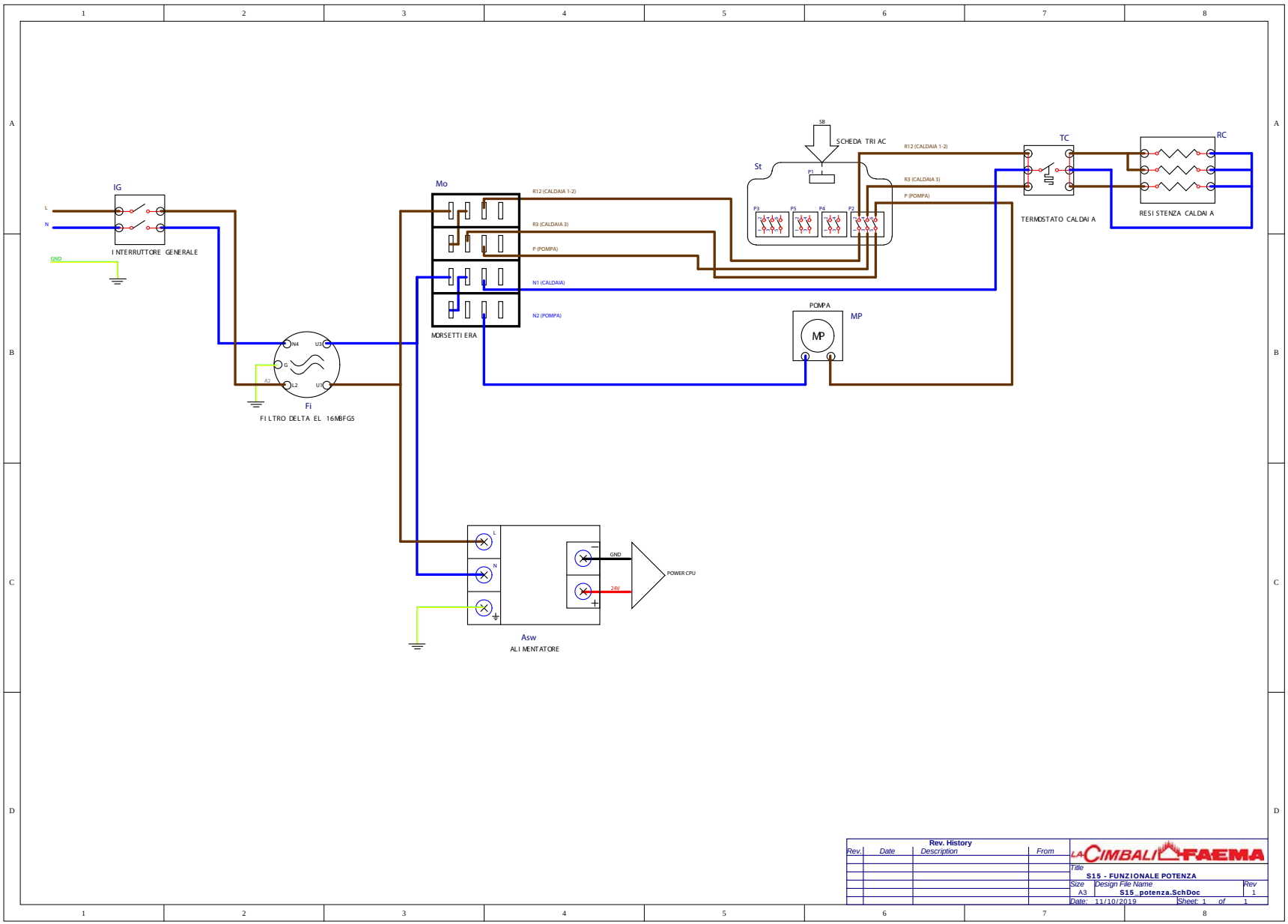
Schema elettrico - Wiring diagram - Schéma électrique -

Elektrischer Schaltplan - Esquema eléctrico - Esquema elétrico



Schema elettrico - Wiring diagram - Schéma électrique -

Elektrischer Schaltplan - Esquema eléctrico - Esquema elétrico



Legenda schema elettrico - Wiring diagram key - Légende du schéma électrique - Legende Schaltplan - Leyenda de esquema eléctrico - Legenda esquema elétrico

IT

Elenco connettori

J1 = Alimentatore: 24V
J3 = Ingressi logici: Sensori presenza caffè, Sensore sportello dec, Sensori posizione gruppo, Sensori cassetto fondi, Sensori bacinella lavaggio, Contatore volumetrico
J4 = Motore regola macine Opzionale
J5 = Motori: Solubili, Mixer
J6 = EV: Resistenza gruppo, Ventola raffreddamento, Ventola aspirazione solubili
J7 = EV Gruppo latte
J9 = Ingressi analogici: Sensore di pressione caldaia, Livello acqua caldaia
J11 = Seriale Opzionale
J12 = Motori: Motore gruppo, Motore Pompa latte
J13 = Encoder Pompa latte
J14 = Termocoppia
J15 = Termocoppia
J16 = Ingressi analogici: Opzionale
J17 = Termocoppia: Opzionale
J20 = Livello latte: Sonda livello latte
J21 = Triac: Pompa,Caldaia
J24 = Seriale debug: Opzionale
J25 = Interfaccia pannello: Seriale comunicazione pannello

Schema elettrico

Asw = Alimentatore switching
Fi... = Filtro
IG = Interruttore generale
IMM... = Interruttore MM
Mo = Morsettiera
MoG = Morsettiera Generale
MM... = Motore Macinino
MP = Motore pompa
RC = Resistenza caldaia
St = Scheda triac
TC... = Termostato di sicurezza caldaia servizi
Tl = Teleruttore

Legenda schema elettrico - Wiring diagram key - Légende du schéma électrique - Legende Schaltplan - Leyenda de esquema eléctrico - Legenda esquema elétrico

EN

Connectors list

J1 = Power Supply Unit: 24V
J3 = Logic inputs: Coffee Sensors, decaf-door sensor, unit position sensors, grounds-drawer sensors, washing basin sensors, volumetric counter
J4 = Grinder adjustment motor Optional
J5 = Motors: Solubles, Mixer
J6 = Solenoid valve: Unit resistance, cooling fan, chocolate suction fan
J7 = Solenoid valve, milk unit
J9 = Analogue inputs: Boiler pressure sensor, boiler water level
J11 = Serial port Optional
J12 = Motors: Motor unit, milk-pump motor
J13 = Milk-pump Encoder
J14 = Thermocouple
J15 = Thermocouple
J16 = Analogue inputs: Optional
J17 = Turbo-Steam thermocouple: Optional
J20 = Milk level: Milk-level probe
J21 = Triac: Pump, Boiler
J24 = Serial debug port: Optional
J25 = Panel interface: Panel-communication serial port

Wiring diagram

Asw = Switching power supply
Fi... = Filter
IG = Main switch
IMM... = MM switch
Mo = Terminal board
MoG = General terminal board
MM... = Grinding Machine Motor
MP = Pump Motor
RC = Boiler resistance
St = Triac board
TC... = Service boiler safety thermostat
TI = Remote control switch

Legenda schema elettrico - Wiring diagram key - Légende du schéma électrique - Legende Schaltplan - Leyenda de esquema eléctrico - Legenda esquema elétrico

FR

Liste des connecteurs

J1 = Alimentation : 24V
J3 = Entrées logiques : Capteurs de présence de café, Capteur de volet déca, Capteurs de position du groupe, Capteurs du tiroir des marcs, Capteurs bac lavage, Compteur volumétrique
J4 = Moteur régulateur moulins Option
J5 = Moteurs : Solubles, Mixeur
J6 = Électrovanne : Résistance du groupe, Ventilateur de refroidissement, Ventilateur d'aspiration des solubles
J7 = EV Groupe lait
J9 = Entrées analogiques : Capteur de pression chaudière, Niveau eau chaudière
J11 = Série Option
J12 = Moteurs : Moteur groupe, Moteur Pompe lait
J13 = Encodeur Pompe lait
J14 = Thermocouple
J15 = Thermocouple
J16 = Entrées analogiques : Option
J17 = Thermocouple: Option
J20 = Niveau lait : Sonde niveau lait
J21 = Triac : Pompe, Chaudière
J24 = Série débogage : Option
J25 = Interface panneau : Série communication panneau

Schéma électrique

Asw = Alimentation commutation
Fi... = Filtre
IG = Interrupteur général
IMM... = Interrupteur MM
Mo = Bornier
MoG = Bornier Général
MM... = Moteur Moulin
MP = Moteur Pompe
RC = Résistance chaudière
St = Carte Triac
TC... = Thermostat de sécurité chaudière services
Tl = Télérupteur

Legenda schema elettrico - Wiring diagram key - Légende du schéma électrique - Legende Schaltplan - Leyenda de esquema eléctrico - Legenda esquema elétrico

DE

Liste der Steckverbinder

J1 = Stromversorgung: 24V
J3 = Logische Eingänge: Kaffeedetektoren, Sensor Klappe koffeinfrei, Positionssensoren Einheit, Sensoren Kaffeesatzschublade, Sensoren Tropfenauffangwanne Spülung, Volumenzähler
J4 = Motor Mahlwerkregulierung optional
J5 = Motoren: Instant, Mixer
J6 = EV: Widerstand Einheit, Lüfterrad Kühlung, Lüfterrad Ansaugung löslich
J7 = EV Einheit Milch
J9 = Analoge Eingänge: Druckfühler Wasserkessel, Füllstand Wasserkessel
J11 = Serieller Anschluss optional
J12 = Motoren: Motor Einheit, Motor Milchpumpe
J13 = Encoder Milchpumpe
J14 = Thermoelement
J15 = Thermoelement: Optional
J16 = Analoge Eingänge: Optional
J17 = Thermoelement: Optional
J20 = Füllstand Milch: Sonde Füllstand Milch
J21 = Triac: Pumpe, Wasserkessel
J24 = Serieller Anschluss Debug: Optional
J25 = Interface Steuerpaneel: Serieller Kommunikationsanschluss Steuerpaneel

Elektrischer Schaltplan

Asw = Switching Power Supply
Fi... = Filter
IG = Hauptschalter
IMM... = MM Schalter
Mo... = Klemmleiste
MoG = Allgemeine Klemmleiste
MM... = Motor Mahlwerke
MP = Pumpenmotor
RC = Heizwiderstand Heizkessel
St = Triac-Karte
TC... = Heizkessel-Sicherheitsthermostat
TI = Schütz

Legenda schema elettrico - Wiring diagram key - Légende du schéma électrique - Legende Schaltplan - Leyenda de esquema eléctrico - Legenda esquema elétrico

ES

Lista de conectores

J1 = Alimentador: 24V
J3 = Ingresos lógicos: sensor de presencia de café, sensor de puerta desc., sensores posiciones del grupo, sensores del cajón de posos, Sensores bandeja de lavado, contador volumétrico
J4 = Motor regulador muelas Opcional
J5 = Motores: Solubles, Mixer
J6 = EV: resistencia grupo, ventilador de refrigeración, rotor aspiración solubles
J7 = EV grupo leche
J9 = Ingresos lógicos: Sensor de presión caldera, Nivel agua caldera
J11 = Serial Opcional
J12 = Motores: Motor grupo, Motor bomba leche
J13 = Codificador bomba leche
J14 = Termopar
J15 = Termopar
J16 = Ingresos lógicos: Opcional
J17 = Termopar: Opcional
J20 = Nivel leche: Sonda de nivel leche
J21 = Triac: Bomba, Caldera
J24 = depuración en serie: Opcional
J25 = Interfaz del panel: comunicación en serie con el panel

ESquema eléctrico

Asw = Alimentador switching
Fi... = Filtro
IG = Interruptor general
IMM... = Interruptor MM
Mo = Bornera
MoG = Bornera general
MM... = Motor molinillo
MP = Motor bomba
RC = Resistencia caldera
St = Tarjeta triac
TC... = termostato de seguridad caldera de servicios
Tl = Telerruptor

Legenda schema elettrico - Wiring diagram key - Légende du schéma électrique - Legende Schaltplan - Leyenda de esquema eléctrico - Legenda esquema elétrico

PT

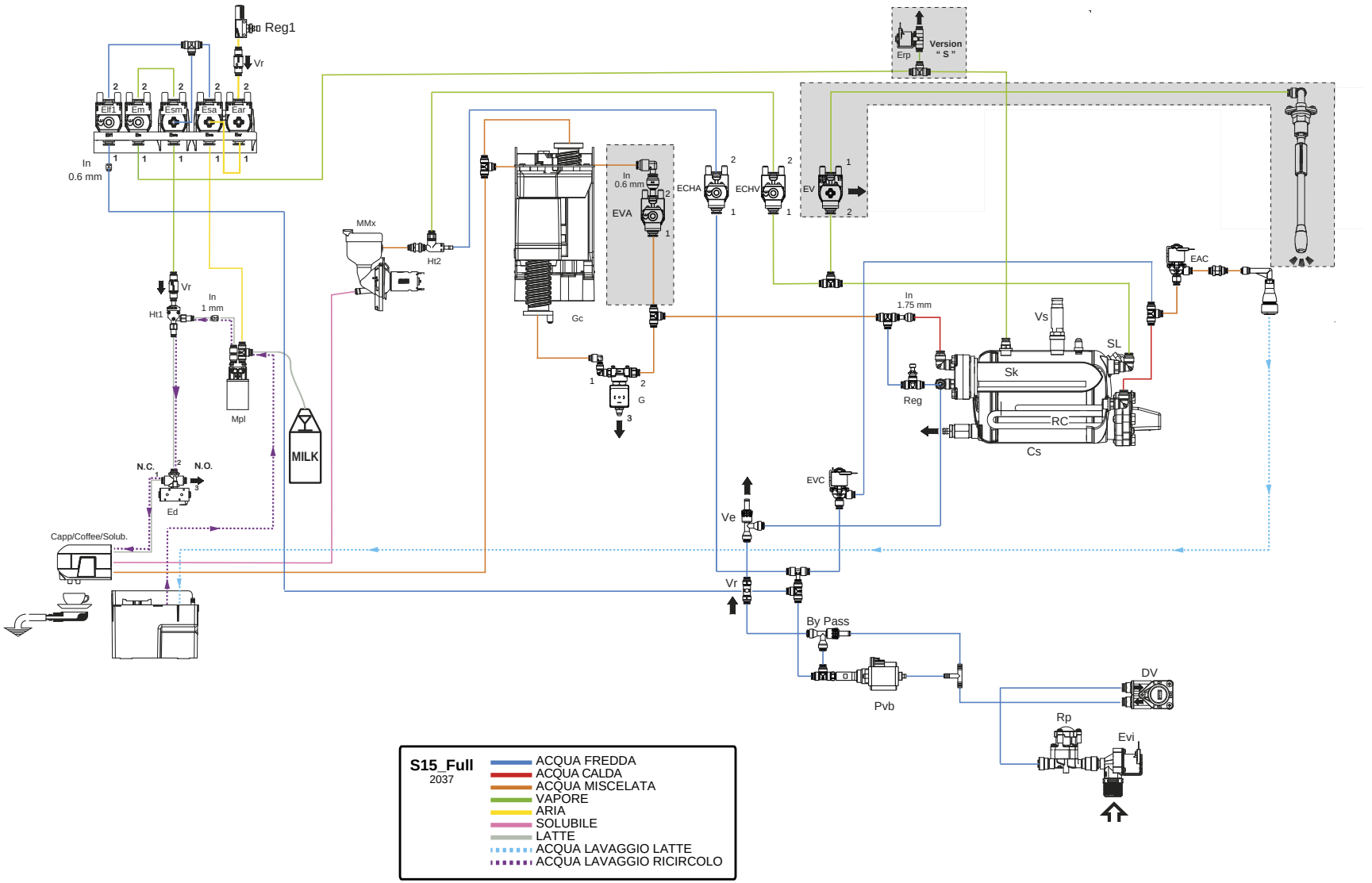
Lista conetores

J1 = Alimentador: 24V
J3 = Entradas lógicas: Sensores de presença de café, Sensor portinhola descafeinado, Sensores posição grupo, Sensores gaveta borras, Sensores tabuleiro de lavagem, Contador volumétrico
J4 = Motor de regulação das mós Opcional
J5 = Motores: Solúveis, Mixer
J6 = EV: Resistência grupo, ventoinha de arrefecimento, ventoinha de sucção solúveis
J7 = EV Grupo leite
J9 = Entradas analógicas: Sensor de pressão da caldeira, Nível da água da caldeira
J11 = Série Opcional
J12 = Motores: Motor do grupo, Motor da bomba do leite
J13 = Encoder da Bomba do leite
J14 = Termopar
J15 = Termopar
J16 = Entradas analógicas: Opcional
J17 = Termopar Opcional
J20 = Nível do leite: Sonda nível do leite
J21 = Placa Triac: Bomba, Caldeira
J24 = Série debug: Opcional
J25 = Interface do painel: Painel de série de comunicação

Equema elétrico

Asw = Alimentador *switching*
Fi... = Filtro
IG = Interruptor geral
IMM... = Interruptor MM
Mo = Terminal
MoG = Terminal Geral
MM... = Motor da máquina do moinho
MP = Motor da Bomba
RC = Resistência caldeira
St = Placa Triac
TC... = Termóstato de segurança da caldeira serviços
Tl = telerutor

Circuito idraulico - Hydraulic Circuit - Circuit hydraulique - Hydraulikkreislauf - Circuito hidráulico - Circuito Hidráulico



Legenda schema idraulico - Hydraulic diagram key - Légende du schéma hydraulique - Legende Hydraulikplan - Leyenda de esquema hidráulico - Legenda esquema hidráulico

IT

Cs	=	Caldaia servizi
DV	=	Dosatore volumetrico
Eac	=	Elettrovalvola acqua calda
Ear	=	Elettrovalvola aria
Ed	=	Elettrovalvola deviatrice
Elf1	=	Elettrovalvola lavaggio freddo
Em	=	Elettrovalvola milk
Erp	=	Elettrovalvola ripristino pressione
Esa	=	Elettrovalvola stop aria
Esm	=	Elettrovalvola stop milk
Ev	=	Elettrovalvola vapore
Evi	=	Elettrovalvola ingresso acqua
Eva	=	Elettrovalvola acqua aggiunta
Evc	=	Elettrovalvola carico caldaia
G	=	Elettrovalvola erogazione caffè
Echa	=	Elettrovalvola acqua solubile
Echv	=	Elettrovalvola vapore solubile
Gc	=	Gruppo caffè
Ht..	=	Riscaldatore
In	=	Iniettore
Mmx	=	Motore mixer solubile
Mpl	=	Motore pompa latte
Pvb	=	Pompa a vibrazione
RC	=	Resistenza Caldaia servizi
Reg..	=	Regolatore
Rp	=	Riduttore di pressione
Sk	=	Scambiatore di calore
SL	=	Sonda livello Caldaia
Ve	=	valvole di espansione
Vr	=	Valvola antiritorno
Vs	=	Valvola di sicurezza caldaia

EN

Cs	=	Service boiler
DV	=	Volumetric dosing device
Eac	=	Hot-water solenoid valve
Ear	=	Air solenoid valve
Ed	=	Diverter solenoid valve
Elf1	=	Cold washing solenoid valve
Em	=	Milk solenoid valve
Erp	=	Pressure-reset solenoid valve
Esa	=	Air solenoid valve stop
Esm	=	Stop milk solenoid valve
Ev	=	Steam solenoid valve
Evi	=	Water inlet solenoid valve
Eva	=	Added water solenoid valve
Evc	=	Charge-boiler solenoid valve
G	=	Dispense-coffee solenoid valve
Echa	=	Hot-soluble-pot water solenoid valve
Echv	=	Hot-soluble-pot steam solenoid valve
Gc	=	Coffee preparation unit
Ht..	=	Heater
In	=	Injector
Mmx	=	Soluble mixer motor
Mpl	=	Milk pump motor
Pvb	=	Vibration pump
RC	=	Service-boiler heating element
Reg..	=	Regulator
Rp	=	Pressure reducer
Sk	=	Heat exchanger
SL	=	Boiler level probe
Ve	=	Expansion valves
Vr	=	Check anti-backflow valve
Vs	=	Boiler safety valve

FR

Cs	=	Chaudière services
DV	=	Doseur volumétrique
Eac	=	Électrovanne eau chaude
Ear	=	Électrovanne air
Ed	=	Électrovanne déviation
Elf1	=	Électrovanne lavage froid
Em	=	Électrovanne lait
Erp	=	Électrovanne rétablissement pression
Esa	=	Solénoïde d'air butée de soupape
Esm	=	Électrovanne arrêt lait
Ev	=	Électrovanne vapeur
Evi	=	Électrovanne d'entrée d'eau
Eva	=	Électrovanne eau ajoutée
Evc	=	Électrovanne chargement chaudière
G	=	Électrovanne distribution café
Echa	=	Électrovanne eau machine à solubles chaud
Echv	=	Électrovanne vapeur machine à solubles chaud
Gc	=	Groupe café
Ht..	=	Dispositif de réchauffage
In	=	Injecteur
Mmx	=	Moteur mixer soluble
Mpl	=	Moteur pompe lait
Pvb	=	Pompe à vibration
RC	=	Résistance Chaudière services
Reg..	=	Régulateur
Rp	=	Réducteur de pression
Sk	=	Échangeur de chaleur
SL	=	Sonde de niveau de la chaudière
Ve	=	Soupapes d’expansion
Vr	=	Clapet anti-retour
Vs	=	Vanne de sécurité chaudière

Legenda schema idraulico - Hydraulic diagram key - Légende du schéma hydraulique - Legende Hydraulikplan - Leyenda de esquema hidráulico - Legenda esquema hidráulico

DE

Cs	=	Zusatzheizkessel
DV	=	Mengenzähler
Eac	=	Heißwasser-Magnetventil
Ear	=	Magnetventil Luft
Ed	=	Umschaltventil
Elf1	=	Magnetventil Kaltspülung
Em	=	Magnetventil Milch
Erp	=	Magnetventil zur Wiederherstellung des Betriebsdrucks
Esa	=	Air Magnetventil Anschlag
Esm	=	Magnetventil Stop milk
Ev	=	Dampf-Magnetventil
Evi	=	Magnetventil Wassereinlauf
Eva	=	Magnetventil Start Wasser
Evc	=	Wasserzugabe-Magnetventil
G	=	Magnetventil Kaffeeabgabe
Echa	=	Magnetventil Wasser Schokoladenzubereiter
Echv	=	Magnetventil Dampf Instantgetränke
Gc	=	Kaffee-Einheit
Ht..	=	Hitzer
In	=	Düse
Mmx	=	Motor Mixer Instantprodukte
Mpl	=	Motor Milchpumpe
Pvb	=	Vibrationspumpe
RC	=	Widerstand Heizkessel
Reg..	=	Regler
Rp	=	Druckminderer
Sk	=	Wärmetauscher
SL	=	Sonde-Kesselwasserniveau
Ve	=	Expansionsventile
Vr	=	Rückschlagventil
Vs	=	Heizkessel-Sicherheitsventil

ES

Cs	=	Caldera de servicios
DV	=	Dosificador volumétrico
Eac	=	Electroválvula agua caliente
Ear	=	Electroválvula aire
Ed	=	Electroválvula desviadora
Elf1	=	Electroválvula lavado frío
Em	=	Electroválvula milk
Erp	=	Electroválvula restablecimento presión
Esa	=	Tope de la válvula solenoide de aire
Esm	=	Electroválvula stop milk
Ev	=	Electroválvula vapor
Evi	=	Electroválvula de entrada de agua
Eva	=	Electroválvula agua agregada
Evc	=	Electroválvulas carga caldera
G	=	Electroválvula suministro café
Echa	=	Electroválvula agua solubles
Echv	=	Electroválvula vapor solubles
Gc	=	Grupo café
Ht..	=	Calentador
In	=	Inyector
Mmx	=	Motor mixer solubles
Mpl	=	Motor bomba leche
Pvb	=	Bomba de vibración
RC	=	Resistencia caldera servicios
Reg..	=	Regulador
Rp	=	Reductor de presión
Sk	=	Intercambiador de calor
SL	=	Sonda nivel
Ve	=	Válvulas de expansión
Vr	=	Válvula de retención
Vs	=	Válvula de seguridad caldera

PT

Cs	=	Caldeira serviços
DV	=	Doseador volumétrico
Eac	=	Eletroválvula água quente
Ear	=	Eletroválvula ar
Ed	=	Eletroválvula defletora
Elf1	=	Eletroválvula lavagem frio
Em	=	Eletroválvula leite
Erp	=	Eletroválvula de restabelecimento da pressão
Esa	=	Paragem da válvula solenóide de ar
Esm	=	Eletroválvula paragem leite
Ev	=	Eletroválvula vapor
Evi	=	Eletroválvula de entrada de água
Eva	=	Eletroválvula água adicionada
Evc	=	Eletroválvula de carga da caldeira
G	=	Eletroválvula de distribuição do café
Echa	=	Eletroválvula da água da solúveis
Echv	=	Eletroválvula do vapor da solúveis
Gc	=	Grupo do caféù
Ht..	=	Aquecedor
In	=	Injetor
Mmx	=	Motor misturador solúvel
Mpl	=	Motor bomba leite
Pvb	=	Bomba de vibração
RC	=	Resistência da caldeira de serviços
Reg..	=	Regulador
Rp	=	Redutor de pressão
Sk	=	Permutador de calor
SL	=	Sonda nível
Ve	=	Válvulas de expansão
Vr	=	Válvula anti-retorno
Vs	=	Válvula de segurança da caldeira

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