

Enter Serial No. here.

In the event of an enquiry please quote this serial number.



SET UP, OPERATION AND PROGRAMMING INSTRUCTIONS

# MX ROTARY RACK OVEN ELECTRIC VERSION

(STANDARD 45Kw heating and LOW POWER 36Kw heating versions)

### **ECOTOUCH** CONTROL



We hereby declare that this machine complies with the essential health and safety requirements of :-

- The Machinery Directive 2006 / 42 / EC
- The Low voltage Directive 2014 / 35/ EC
- The requirements of the Electromagnetic Compatibility Directive 2004 / 108EC, 91 / 263 / EEC, 92 / 31 / EEC Incorporating standards EN55014-1:2006+A1:2009+A2:2011 EN55014-2:1997+A1:2001+A2:2008
- The General Safety of Machinery and food processing Standards applicable
- Materials and Articles intended to come into contact with food Regulation (EC) No. 1935 / 2004

Signed	CHED Whows.		
G.A.Williams – Quality Manager			
Date			
Machine FG Code.	Machine Serial No.		

A technical construction file for this machine is retained at the following address:

#### MONO EQUIPMENT

Queensway, Swansea West Industrial Park, Swansea SA5 4EB UK

**MONO EQUIPMENT** is a business name of **AFE GROUP Ltd** Registered in England No.3872673 VAT registration No.923428136

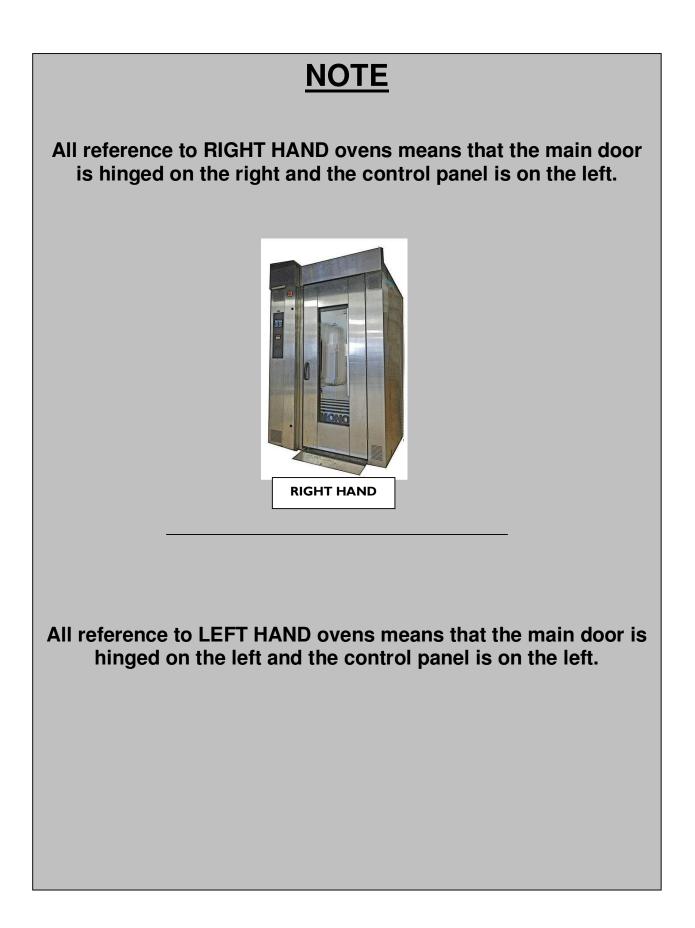
Registered office: Unit 9, Bryggen Road, North Lynn Industrial Estate, Kings Lynn, Norfolk, PE30 2HZ **CONTENTS** 

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FOR SAFE WORKING, PAY SPECIAL ATTENTION TO ITEMS MARKED

# Failure to adhere to the cleaning and maintenance instructions detailed in this booklet could affect the warranty of this machine.





# **1.0 INTRODUCTION**

The **MONO MX** rotary rack oven is a compact electrically heated oven with a computerized touch control panel. The oven is designed to accommodate a single rotating rack of up to eighteen trays capacity.

Ecotouch ovens are supplied with **TOUCH** displays for user-friendly control panels. This can show pictures of product types or program numbers that have been set by the user. When not being used, the screen can show your company logo. A voice prompt facility is also available for the basic instructions like "Bake over".



The oven is of stainless steel construction, with easily cleaned interior and exterior surfaces and smart appearance.

The fan and rack rotator have generously rated, totally enclosed, motors and a sealed for life gearbox.

The high-speed fan, heating and steam systems give efficient air circulation to produce a professional bake across a range of products via a diagonal cross-flow system with efficient air circulation.

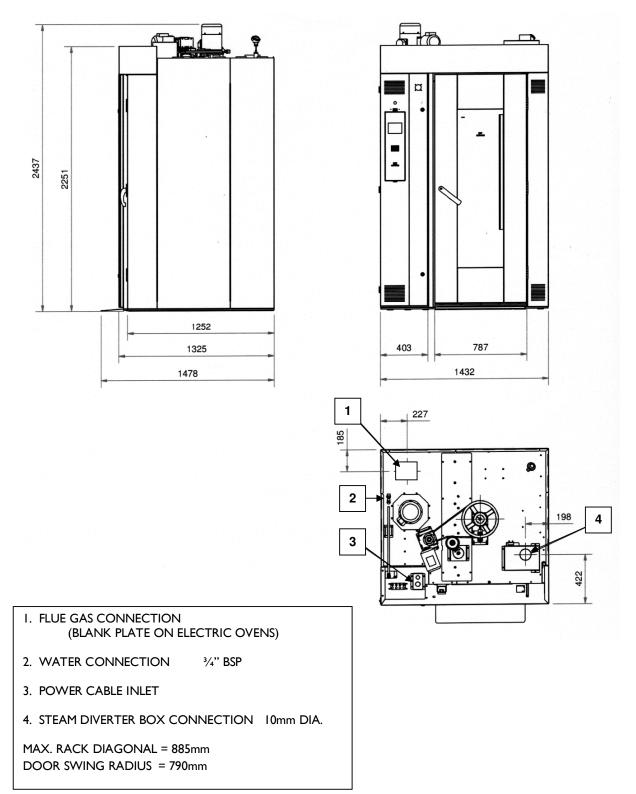
The steam system is connected to a standard water supply.

(Pumps are available for very low pressure areas).

Steam is generated within the oven chamber by means of a multi-point, water injection cascade. The amount of steam to be generated is controlled by means of a programmable time period on the control panel. No drain is required for the baking and steaming process of this oven.

Programmed damper control is provided as part of the programming controls.

The oven door incorporates a large glass panel and LED lights to afford an excellent view of the baking progress. To optimise bakery layout the main oven door can be hinged on either side; even if oven is relocated after initial installation.



### 3.0 SPECIFICATIONS

#### **Designation:** Oven

#### Electrical

Power supply:	415V 3ph + N + E 50Hz  47kW – 65amps per phase

Low power version 415V 3ph + N + E 50Hz 38kW – 53amps per phase

Connection point: See section - Dimensions

#### Mechanical

Width/depth/height: See section - Dimensions

Maximum tray size:	762mm (30") x 457mm (18")
Air circulation:	Radial fan driven by electric powered motor – 1.5kW
Steam system:	Mass energy storage, no drain
Rack rotation:	Electric powered motor/gearbox (0.18kW) driven via belt drive
	Hanger inside baking chamber

No materials containing asbestos have used in the construction of this oven.

Heating system	
Fuel:	electricity
output,:	45kW (15 elements of 3kW)
	Low power version - 36kW (12 elements of 3kW)

#### Flue system

Flue connection: See section - Dimensions

#### **Rack rotation**

The rack hanger is driven by an electric motor situated on the mid left-hand side of the oven roof. Power transmission to the rack-hanger's central drive shaft is by means of a single tensioned V-belt that affords slippage of the transmission in the event of a blockage to rack rotation.

#### Air circulation system

An electrically powered radial fan re-circulates air within the oven. Heated air enters the fan at the upper left-hand side of the oven and is driven within the roof structure to the vertically orientated air door at the rear corner of the baking chamber. Adjustable openings in the air door allow the amount of air entering the baking chamber at various heights to be adjusted to get the optimum baking result. The air door openings are set at the factory and should not require resetting. The factory settings are given in section – *Setting the Air Slots* for reference. Should these factory setting fail to give a satisfactory baking performance then instructions for adjusting the openings are given.

#### Steam system

The steam generating system is completely contained within the oven and situated at its left hand side in the lowermost region of the air duct, outside of the baking chamber. Only cold water, at a pressure of 4 - 6 bar (58 - 87 PSI), needs to be connected to the oven for the purpose of steam generation.

From a cold oven start the steam system will typically require 20 minutes to accumulate sufficient energy to produce satisfactory steaming performance; and during repeated baking cycles it automatically re-energises itself during the bake cycle. No drain is required for the steam system.

Under normal conditions of use this oven is not considered a pressure vessel.

#### **Heating System**

Heat is transferred to the baking chamber through the interaction of re-circulating air passing over the hot surfaces of the heating elements.

#### **Electrical connection**

The oven is fitted with built-in automatic fuses, situated in the uppermost region of the compartment behind the control door. The fuses are marked and can be accessed when the control door is opened.

#### Ventilation

To ensure the correct operation of the roof-mounted components the ambient temperature should not exceed 50°C. The oven requires zero clearance on left, right and rear vertical faces for operation or maintenance.

#### Extraction

Airborne emissions from the baking process, such as steam, oil, etc., will be discharged from the overpressure duct and the damper duct; both situated at roof level towards the front of the oven. Discharge will also occur from the front of the oven upon opening the door at the end of a bake. See also section – *Installation*.

#### Noise

Emission of airborne noise is less than 70dB

### 4.0 SAFETY



### In the interest of safety and efficient operation of the oven, it is essential that this manual should be made available to the operator before work is commenced. The following points should be observed and followed at all times.

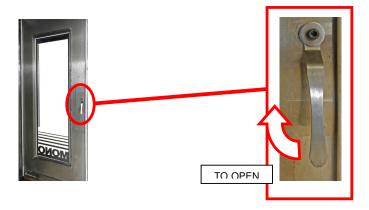
- 1 This oven is designed for baking bread, confectionery and savoury bakery products. Do not use it for other items without consulting with **MONO**.
- 2. It is essential for proper and safe operation of the oven that users are familiar with its operation and use. *Read the instructions provided in this document before use.*
- 3. This appliance is not intended for residential use.
- 4. This appliance is not intended for outdoor use.
- 5. Unauthorised service or repairs to these ovens may cause personal injury or damage to the equipment, which may invalidate warrantee agreements.
- 6. Only qualified engineers appointed by MONO EQUIPMENT should carry out service and repairs to this equipment. Electrical panels and electrical distributor boxes should not be opened until the main electrical supply to the oven has been turned off.
- 7. All connections to this oven must be made in accordance with the statutory and technical regulations of the country in which the oven is installed.
- 8. When work is being carried out inside the oven, the electrical mains isolator must be turned off and locked. The baking compartment door should be wedged open and a suitable warning notice hung on the door to prevent it being accidentally closed
- 9. While the oven is in operation, and for some time after having been in operation, it is dangerous to touch the window glass or the metal surfaces in its vicinity. The oven must be allowed to cool before any form of cleaning is started.
- 10. Use only **MONO** spare parts for this oven.
- 11. The construction of the oven must not be changed.
- 12. Oven gloves should be worn when moving products in or out of the oven.
- 13. The owner of the oven is **legally obliged to instruct staff** using the oven in its operation and in these safety regulations. The instruction manual for the oven must not be removed from the oven work area.

**WARNING:** WHEN DOING ANY MAINTENANCE ON TOP, KEEP CLEAR OF THE RECTANGULAR FLUE PIPE TOWARDS THE FRONT RIGHT HAND SIDE OF THE ROOF. <u>VERY HOT</u> AIR IS EJECTED.

- 14. Moving parts remain unguarded on the oven roof as this area is out of reach of the operator and therefore deemed safe. Care must be taken to avoid these motorised parts when maintenance tasks are performed.
- 15. Unless trays/containers for the purpose of holding the oven products are supplied with the oven by the manufacturer, it is the responsibility of the customer to ensure that the nature and surface conditions of materials likely to come into contact with food shall be such that they cannot contaminate or spoil the food.
- 16. <u>Up until August 2017</u> the oven's main door has a safety release foot-plate on its inner side allowing the door to be opened from inside in an emergency lock-in situation.



<u>After August 2017</u> the oven's main door has a safety release handle on its inner side allowing the door to be opened from inside in an emergency lock-in situation.



### **5.0 INSTALLATION**

- 1 The **MONO MXE** oven is designed to operate as a freestanding unit, and must not be bolted down or fixed to the floor in any way.
- 2 The concrete floor beneath the oven must be smooth, flat and clear of any obstructions, and must be at least 150mm (6") thick.
- 3 The foundation must be flush with the overall bakery floor because racks are wheeled up a ramp (supplied with the oven) into the baking chamber.
- 4 A minimum headroom clearance of 3 metres (180") between the floor and the bakery ceiling must be maintained at all times.

#### 5 WATER SUPPLY

The water supply to the oven shall be fitted with protective means against backflow in the water supply and installed according to the national regulations in force.

Customers in hard water areas must ensure that an efficient water treatment device protects the supply to the oven. It is the customers' responsibility to install and maintain an adequate water supply to the oven, which should comply with local water regulations.

Connect to a suitable water supply, making sure that the pipes are flushed out to remove all foreign bodies i.e. flux or solder.

#### <u>NOTE</u>

Set up of the pressure regulator should not be required as it is factory set to the optimum setting to provide the best steam during a bake.

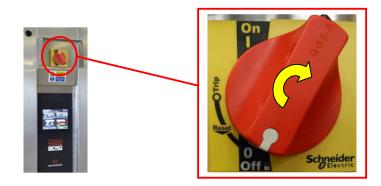
#### 7. Oven evacuation --- Canopy/Hood

It is recommended that evacuation of the oven baking chamber products is achieved with a hood covering the entire oven top and projecting beyond the front of the oven by 600mm. the extraction rate from the hood should be approximately 1700m<sup>3</sup>/h.

The customer is responsible for providing adequate levels of make-up air if an extraction hood is fitted.

### **6.0 ISOLATION**

In case of an emergency, switch oven off at mains electrical isolator switch.



MAINS ELECTRICAL ISOLATOR SWITCH



### 7.0 CLEANING INSTRUCTIONS

#### **Caution**

#### Do not use high-pressure equipment to clean the oven.

The oven has been designed with sealed components, which are used wherever possible. The minimum of routine cleaning is required, but it is essential that it be properly and regularly carried out.

- 1. Sweep out debris from the oven floor daily.
- 2. Clean up spillages of product on the oven floor.
- 3. Wipe off splashes on door window.

Do not use alkaline or abrasive detergents when cleaning the oven. Do not use detergents on the control panel overlay – wipe with a damp cloth only.

**Note:** Buildup of spillages may result caused by incorrectly placed racks. Also check for damage to door seals, particularly if operators are careless with rack handling.

### 8.0 GENERAL MAINTENANCE

To maintain the warranty conditions, the oven must undergo service at specific intervals. Below is the service program with the given intervals:

#### Every 3 months

Lubrication: Door lock

Heat resistant grease

#### Every 12 months

#### Check/adjust:

Door lock mechanism Internal door release mechanism Lighting, including cables Damper function Drive belt tension Limit positions Water connection tightness Solenoid valve operation Rack hanger bearing Function check Chamber temperature calibration

#### Lighting

If the lighting in the door fails to operate, contact the Mono service dept. It cannot be replaced by the user.



# Section 9

# TOUCH SCREEN OPERATING INSTRUCTIONS

# **BASIC OPERATION**

# ALL OPERATIONS ARE ACTIVATED BY TOUCHING AREAS ON THE SCREEN, WHICH WILL PASS YOU ON TO THE NEXT INFORMATION PANEL.

DO NOT USE EXCESSIVE FORCE.

(THE PRESSURE REQUIRED TO OPERATE THE PANEL CAN BE ALTERED IN THE SETTINGS SECTION)

#### TOUCH THE SCREEN ON THE AREA YOU REQUIRE TO ACTIVATE





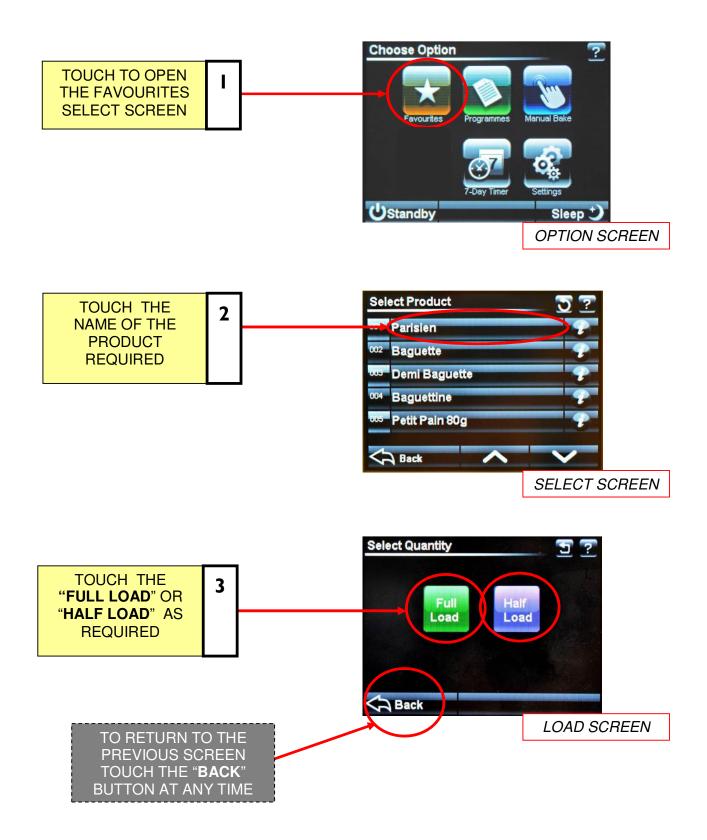
<u>STANDBY</u> THE OVEN TURNS OFF. TOUCH THE SCREEN TO GO TO THE OPTION SCREEN.

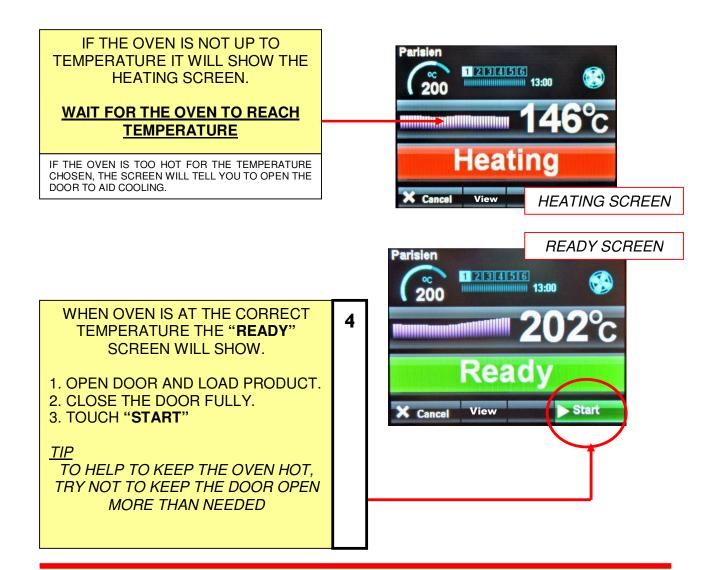


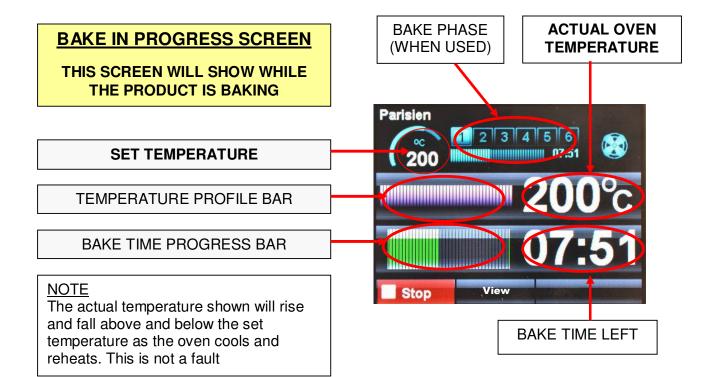
SLEEP THE OVEN STAYS AT 100c AND HEATS TO LAST PROGRAM TEMPERATURE WHEN THE SCREEN IS TOUCHED. OPTION SCREEN THEN SHOWS.

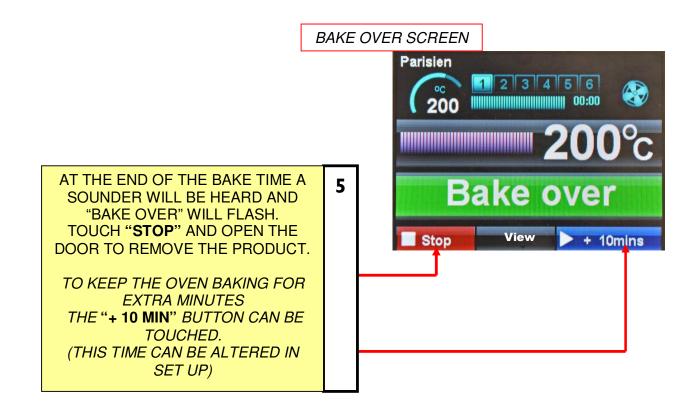
FG166 - MXE RevA18 15-01-18

# 9-1 BAKING USING FAVOURITES MENU

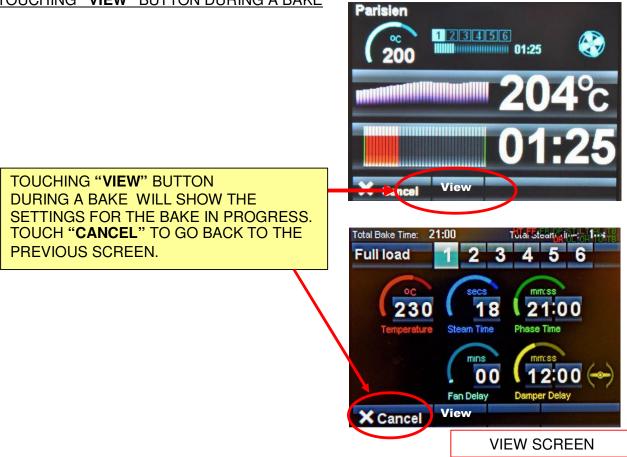








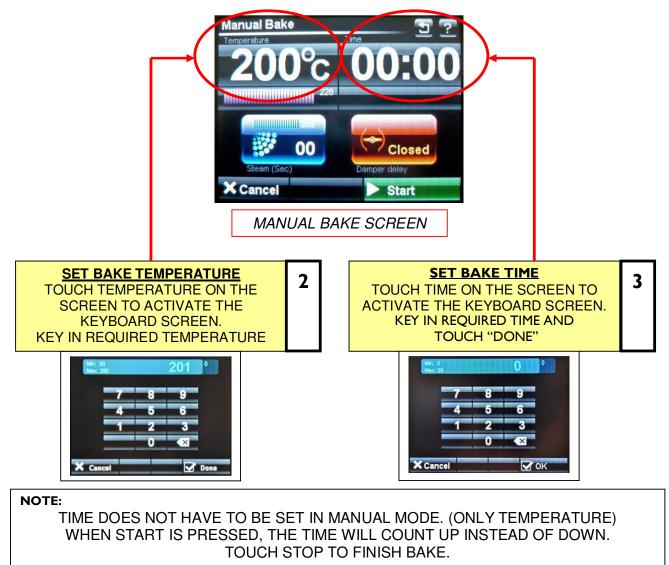
#### TOUCHING "VIEW" BUTTON DURING A BAKE



# 9-2 BAKING USING MANUAL MENU

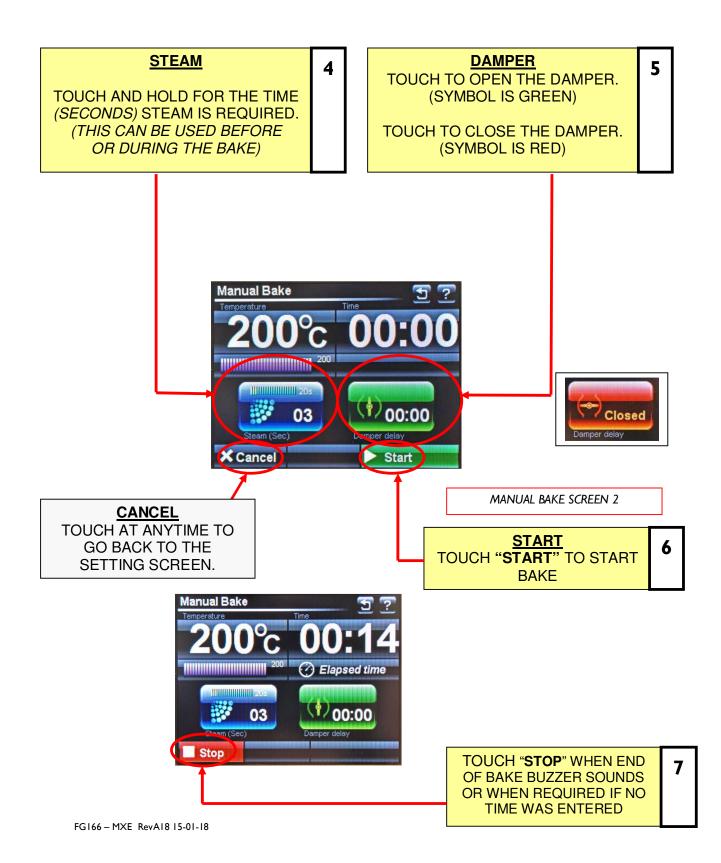


### SET BAKE TIME AND TEMPERATURE

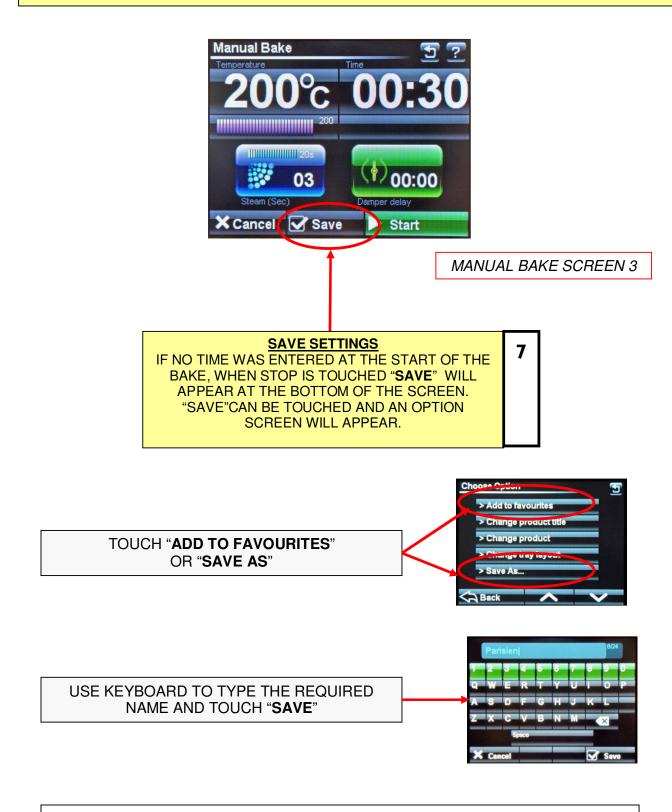


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### USE STEAM TIME AND DAMPER IF REQUIRED



SAVE MANUAL PROGRAM, IF REQUIRED

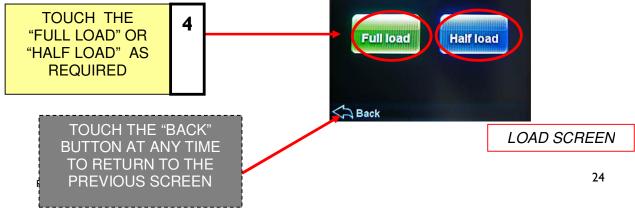


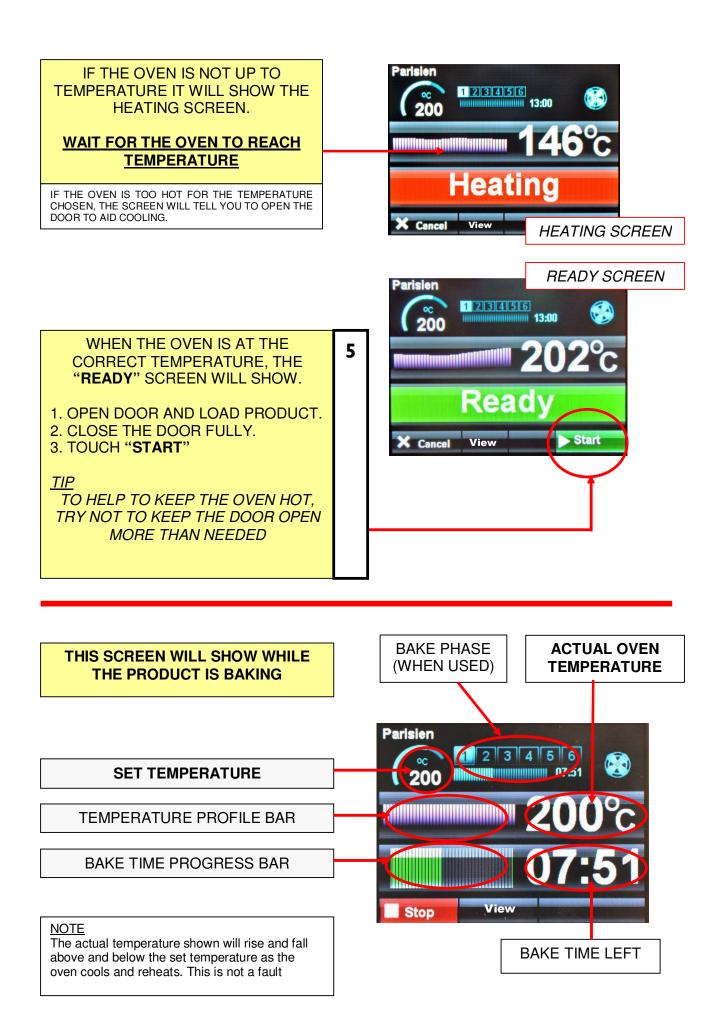
NOTE: In manual mode, only one operation of the steam or damper is saved.

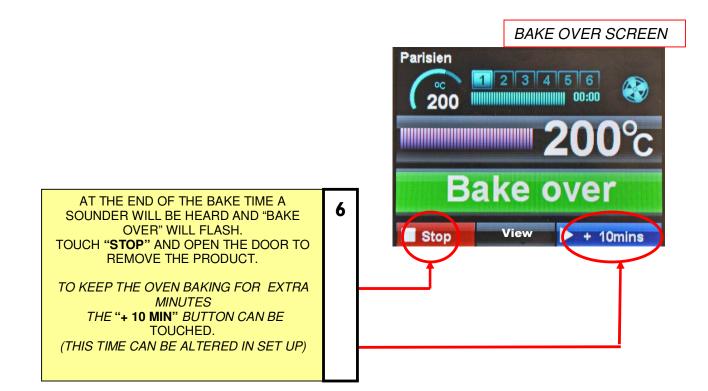
# 9-3 BAKING USING PROGRAMMES MENU

<u>NOTE</u> : THIS COVERS TWO VERSIONS OF FIRMWARE. (THE OVEN CAN BE PRE-SET TO SHOW ONLY ONE OF THEM). 1. **PICTORIAL** VERSION SHOWS CHOICES OF PRODUCT CATERGORIES 2. **NUMERICAL** VERSION SHOWS RANGES OF PROGRAM NUMBERS.

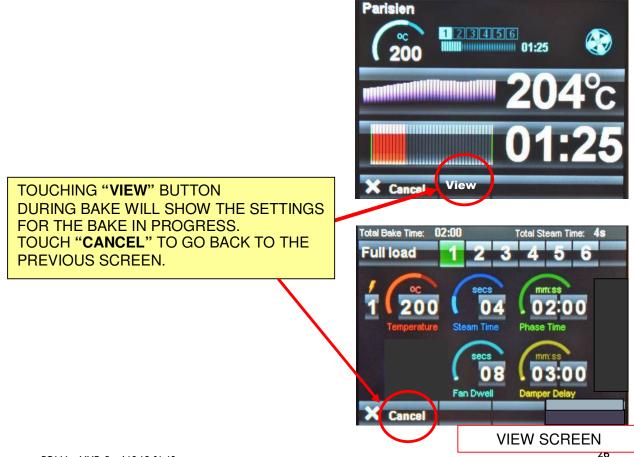
**Choose** Option ? TOUCH TO OPEN "CATEGORY" or **"PROGRAM CHOICE"** avourites **SCREEN** 7-Day Timer C Standby **OPTION SCREEN** CATEGORY SCREEN PROGRAM CHOICE Select Categ PICTORIAL Select Cate NUMERICAL 5 3? OR TOUCH THE TYPE OF 2 PRODUCT OR PROGRAM RANGE CHOICE WANTED AND "SELECT" SCREEN Back Back **OPENS** MORE Select Product Select Product TOUCH THE 3 Parisien NAME OR NUMBER OF THE PRODUCT 002 Bayatte ONE REQUIRED TWO Demi Baguett THREE 004 Baguettine Petit Pain 80g FOUR OR Back ~ Back SELECT SCREEN SCROLL DOWN FOR MORE PRODUCTS IF AVAILABLE Select Quantity 5? TOUCH THE 4



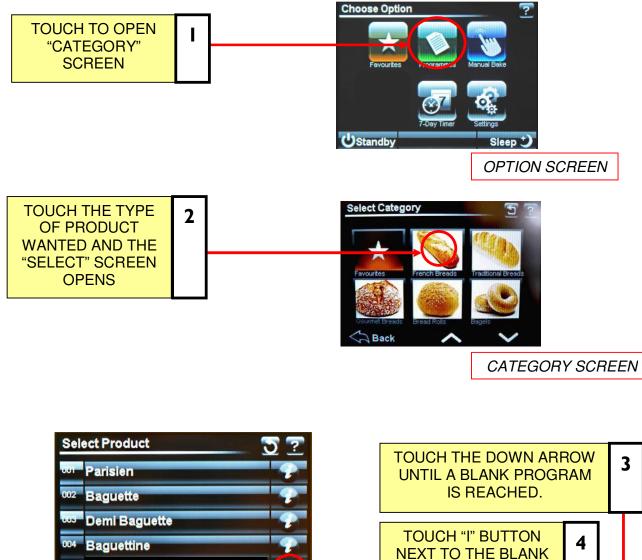




#### TOUCHING "VIEW" BUTTON DURING BAKE



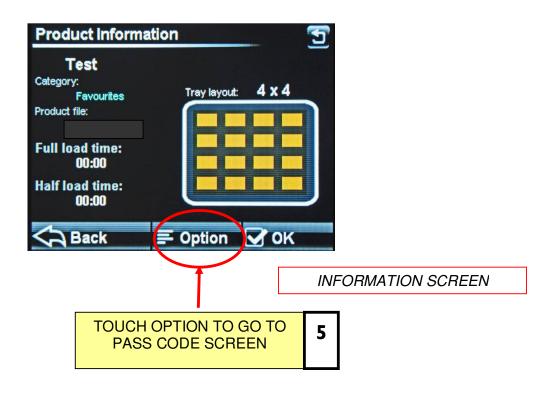
# 9 - 4 CREATING A PROGRAM

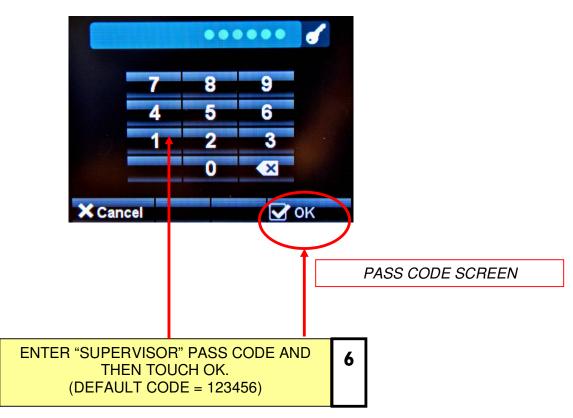


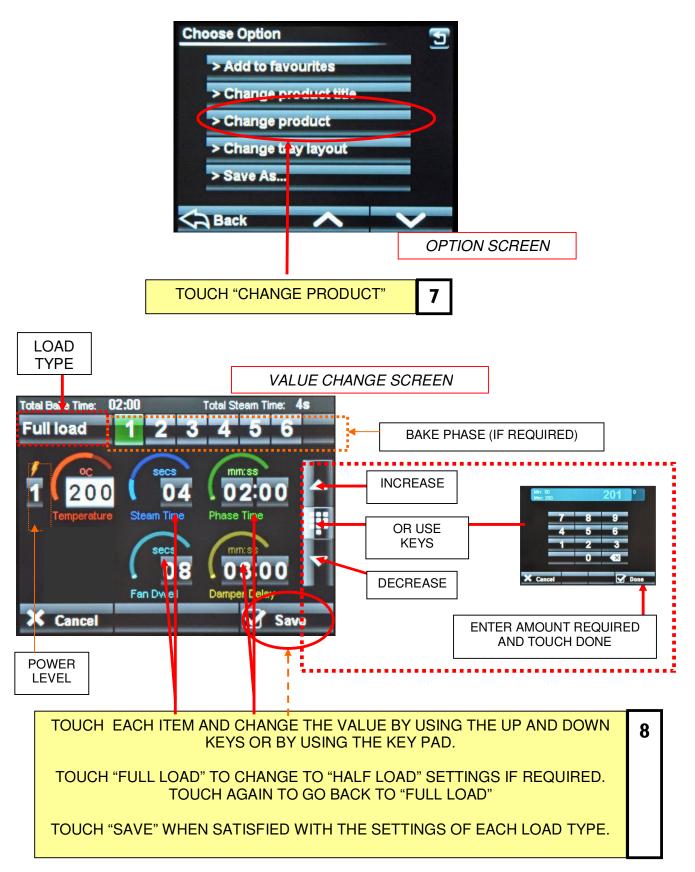
NEXT TO THE BLANK PROGRAM TO OPEN NEXT SCREEN

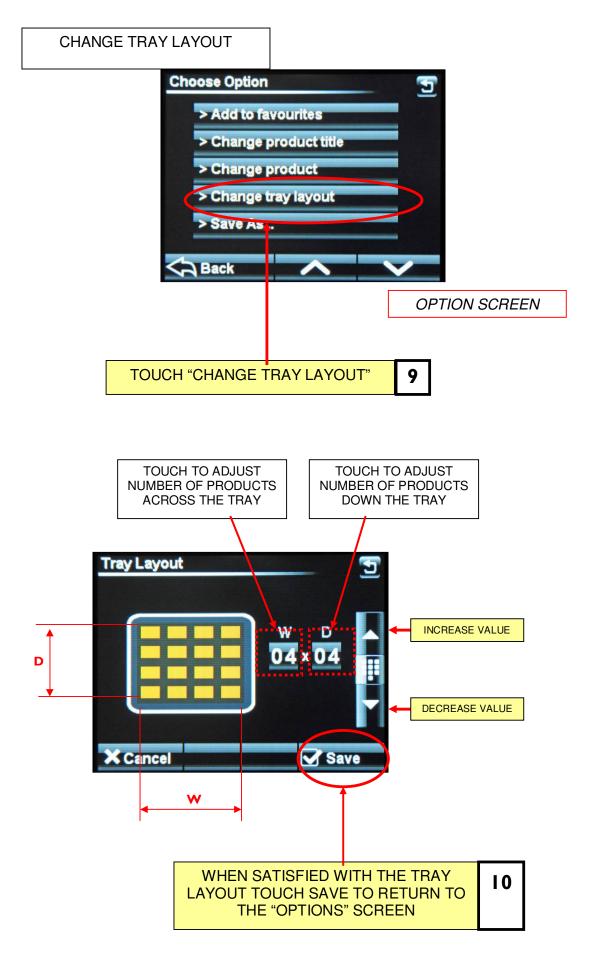
Back

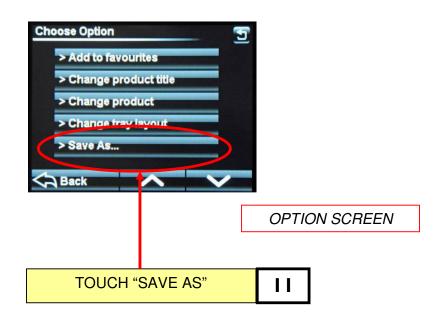
SELECT SCREEN

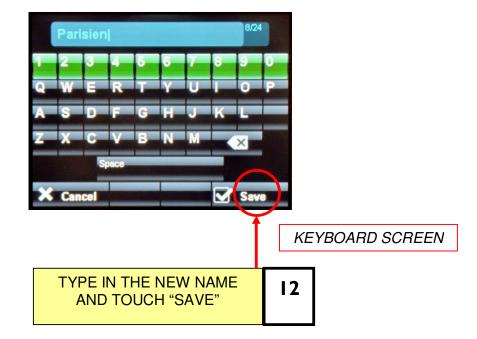






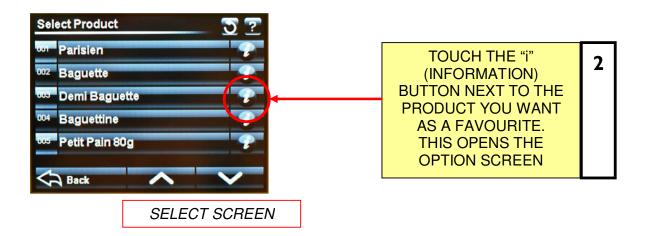


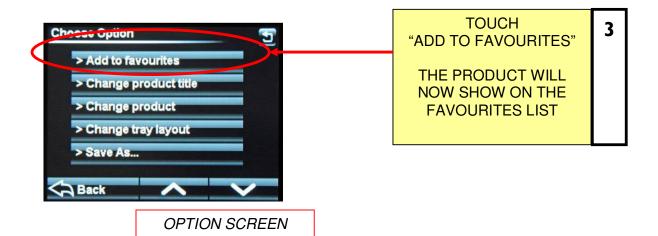




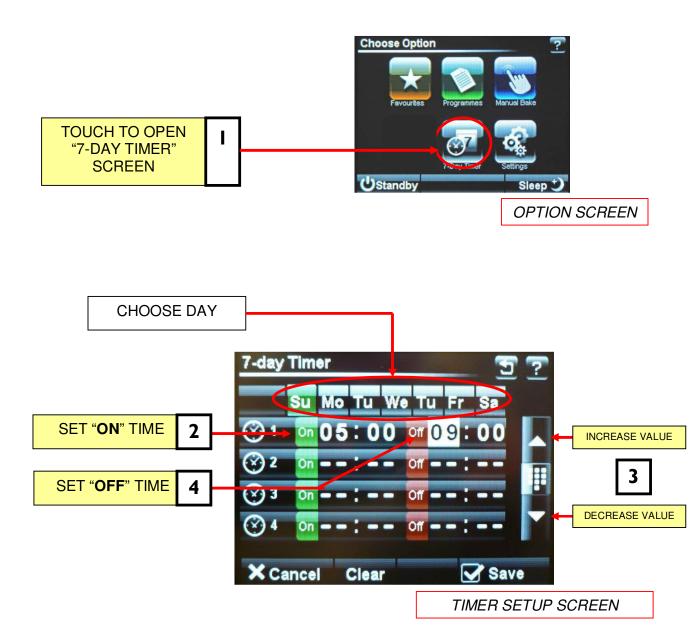


TOUCH THE TYPE OF PRODUCT WANTED AND THE "SELECT" SCREEN OPENS





# 9-5 SETTING 7–DAY TIMER



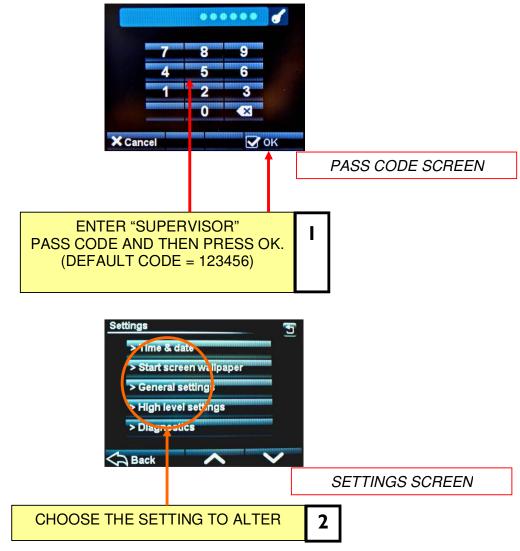
#### <u>NOTE</u>

Up to four on/off times can be set for each day. Touch "clear" to clear the settings on the day shown. Touch "save" to activate the times set.

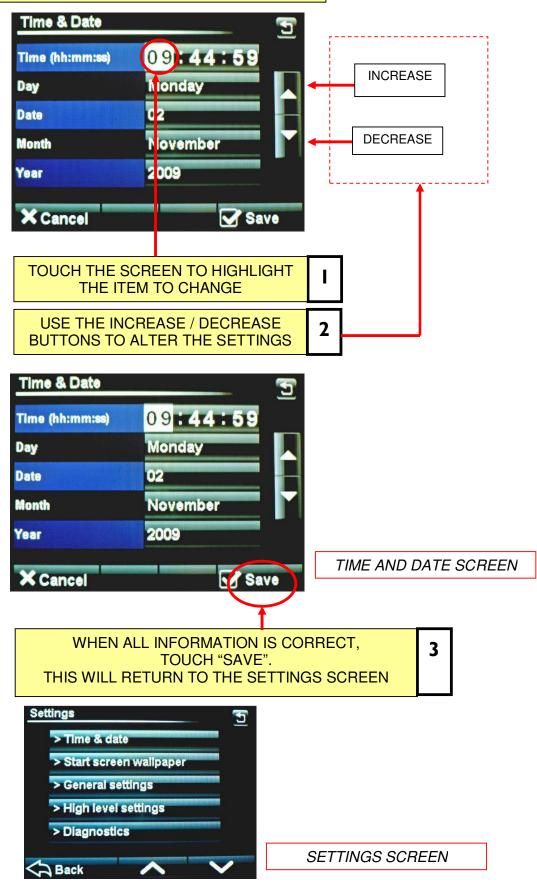
# 9-6 SETTINGS



TOUCH TO OPEN THE "SETTINGS" SCREEN

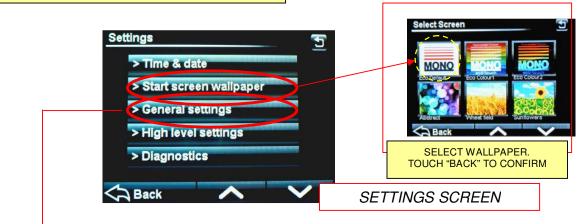


### TIME AND DATE



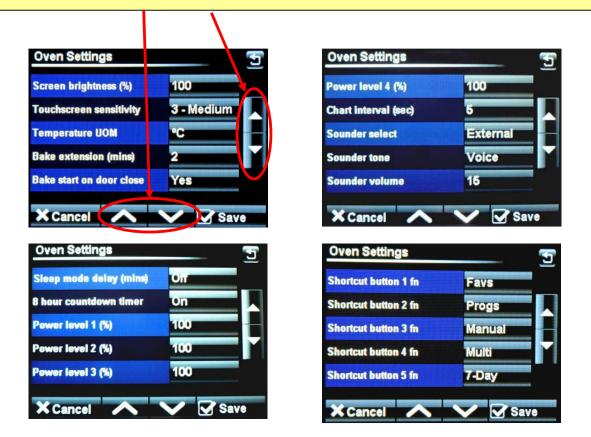
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### **OVEN SETTINGS** (GENERAL)



TOUCH "GENERAL SETTINGS" AND THE FOLLOWING SCREEN WILL APPEAR.

SCROLL DOWN TO MOVE THROUGH ALL CHOICES AND ADJUST EACH ONE AS REQUIRED, USING THE ARROW KEYS.



### **OVEN SETTINGS EXPLAINED - GENERAL LEVEL**

#### SCREEN BRIGHTNESS -

Adjusts the brightness of the viewing screen for user comfort.

#### **TOUCHSCREEN SENSITIVITY -**

Adjusts the pressure required to operate the touch screen. (5 settings)

#### **TEMPERATURE UNIT OF MEASURE –**

Centigrade (Celsius) or Fahrenheit

#### BAKE EXTENSION (mins) -

Adjusts the extra time at the end of a bake for each "extra time" button touch. (10mins max)

#### **BAKE START ON DOOR CLOSE -**

This will start the set bake program as soon as the door closes.

#### SLEEP MODE DELAY –

Oven will go into sleep mode after the set minutes, providing it is up to temperature and has been through at least one bake cycle.

#### **8 HOUR COUNTDOWN TIMER –**

After 8 hours the oven gives a warning and then turns off. Touch any button for an extra hour if required.

#### POWER LEVEL (1-4) -

Set these as required for each level to be used.

#### CHART INTERVAL –

Time interval in seconds that the bars show on the heat and bake time progress charts.

#### SOUNDER SELECT -

Set as external or onboard.

#### SOUNDER TONE -

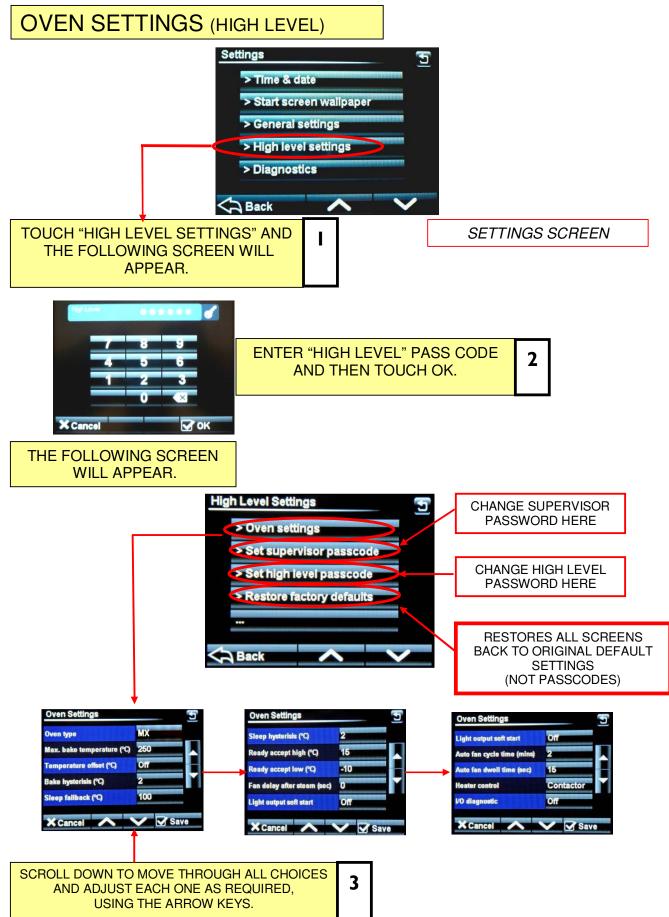
Select a tone – Voice or Off

#### SOUNDER VOLUME -

Adjust to suit the volume required. (onboard sounder only)

#### SHORTCUT BUTTONS -

n	Gives the choice of what buttons are active and in which order they appear on the
fn	options screen.
fn	Options available = Favourites, Programs, Manual bake, Multi bake,
fn	7-day timer . (Settings at <b>6fn</b> cannot be changed)
fn	



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### **OVEN SETTINGS EXPLAINED - HIGH LEVEL**

#### OVEN TYPE -

Set this to MX.

#### MAX. BAKE TEMPERATURE -

Can be set up to 300C, (depending on the oven type)

#### **TEMPERATURE OFFSET –**

Can be used to adjust the display to the actual temperature in the oven.

#### **BAKE HYSTERISIS –**

Sets bake temperature cycling around a set point. (Above and below).

#### SLEEP FALLBACK –

Temperature of the oven in "sleep mode" (100C is suggested).

#### **SLEEP HYSTERISIS –**

Sets "sleep mode" temperature cycling around a set point. (Above and below).

#### READY ACCEPT HIGH –

Highest temperature for the oven to display "READY"

#### **READY ACCEPT LOW –**

Lowest temperature for the oven to display "READY"

#### FAN DELAY AFTER STEAM -

Delay before fan starts after the oven has steamed. (60 seconds max)

#### LIGHT OUTPUT SOFT START –

On/Off Some lights need this for cold start up to stop them blowing.

#### AUTO FAN CYCLE TIME (MINS) -

Set time required. Only used in manual and multibake modes.

#### AUTO FAN DWELL TIME -

Set time required. Only used in manual and multibake modes.

#### HEATER CONTROL -

Contactor or solid state. Defaults to contactor. (solid state not used at the moment)

#### I/O DIAGNOSTIC -

Displays outputs and inputs at the top of the screen to aid fault finding if needed.

## SUPERVISOR (LOW LEVEL) -- 123456

## HIGH LEVEL -- 654321

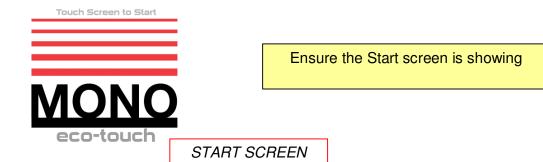
MASTER -- 314159 (This is fixed)

## **SUGGESTION**

To stop unauthorised changes to the oven setup, it is suggested that this page is removed from this manual and kept in a safe place for future reference.

If tampering could be a problem, It is a good idea to change the passcodes at regular intervals.

# 9-7 USING THE USB PORT





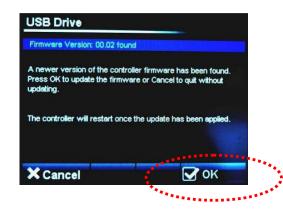
Insert the USB memory stick into the socket on the oven panel. (Rubber plug may have to be removed first).

<u>NOTE</u> The USB stick will only fit in one way. <u>Do not force into the socket.</u>



Wait for the USB symbol to finish moving





If old firmware is found, the firmware version screen will appear. Touch "OK" to update firmware <u>-Wait-</u> Remove USB stick OR Touch "CANCEL" to choose other items to update or change. (see next page)

USB Drive	
Touch item to select	
Load Products	Load Start Screens
Save Products	Load Skin
Save Log	Load Sounds
× Cancel	

Choose action you would like to do.



Select the file required.

6

5

File 'MALEVOX' loaded ok	
oad Products	Load Start Screens
ave Products	Load Skin
ave Log	Load Sounds

When confirmation of "file loaded ok" Shows, remove the usb stick. **7** 

### **NOTES ON USING USB STICKS**

For a USB stick to function correctly it must have the following folder in the root folder .

#### Mono

Then into that folder add the following: Firmware Products Skins Sounds Start-up

Place your recipe/product files in the "products" folder.

The oven will find the "**Mono**" folder automatically when the stick is plugged into the oven. Any stick can be used (does not have to be blank) but the Mono folder must be in the root folder.

The most used folders are explained below:

#### <u>SKINS</u>

These control the way the screen looks in different modes.

**<u>Pictorial</u>** is when the screen displays catergories using pictures.



**<u>Numerical</u>** is when the screen displays program numbers.

Select Catego	ory	5?
	1015	20-39
40-59	60-719	80-99
A Back	~	

#### STARTUP SCREENS

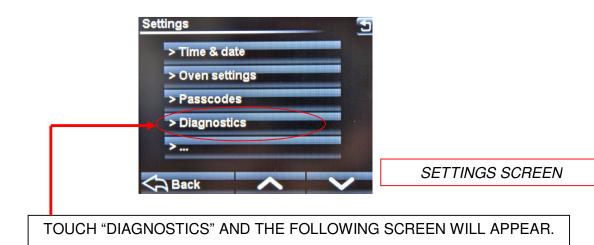
This is the picture/logo you see when the oven is started.



#### PRODUCT FILES (PROGRAM FILES)

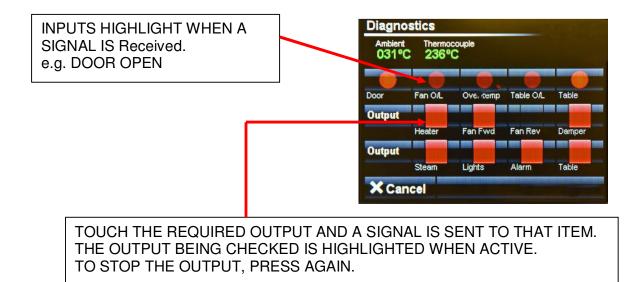
These are the files that contain the information for baking each product e.g. bread, buns, cakes etc.

## 9 - 8 DIAGNOSTICS



Ambient 031°C	C 236°C			
•		6.		0
)oor	Fan O/L	Ove. remp	Table O/L	Table
Dutput				
	Heater	Fan Fwd	Fan Rev	Damper
Dutput				
	Steam	Lights	Alarm	Table

DIAGNOSTICS SCREEN



# **10.0 TROUBLE SHOOTING**

#### **IMPORTANT!**

All repairs and adjustments to the oven must be carried out by authorised experts. Isolate oven before attempting repairs or removing protective panels.

Symptom	Possible cause	Probable solution
The oven does not	The main isolator switch	Switch on the isolator.
start, no fault shown	is off.	
on control panel	The auxiliary fuse is	Reset the fuse.
	tripped.	
	The main fuse is	Change the fuse (before
	tripped.	the oven).
Neither fan, hanger,	Door is not closed.	Close door.
steam or heat starts	Door switch is defective.	Replace door switch.
Rack hanger does not	Drive belt slipping.	Check belt tension.
rotate and no fault	Drive belt broken	Replace belt.
shown on control		
panel Oven light is not	Lighting strip is	Replace the light strip.
working	defective.	Repair wiring.
working	Faulty wiring to light.	nepair wiring.
Oven temperature fails	Damper is open.	Close damper.
to rise/rises slowly/	Fan motor tripped.	Reset fan trip.
cannot be maintained	Element failure	Call service engineer.
during baking		ea
Little or no steam	Water mains	Connect water supply or
	disconnected or closed.	open supply valve.
	Water spreader tube	Clean/unblock spreader
	blocked.	tube.
	Filter in water line	
	blocked.	Clean filter.
	Solenoid valve	
	defective.	Replace solenoid valve.
Oven bakes unevenly	Air slots not adjusted	Adjust air slots. See
	correctly.	section Adjusting air
	For motor unader in the	slots.
	Fan motor running in the	Switch electrical
	wrong direction.	connections. Direction
		of rotation is indicated by arrow adjacent to
		motor.
		110101.

#### DO NOT ATTEMPT TO MAKE ADJUSTMENTS UNLESS YOU ARE FULLY AWARE OF THE RESULTS

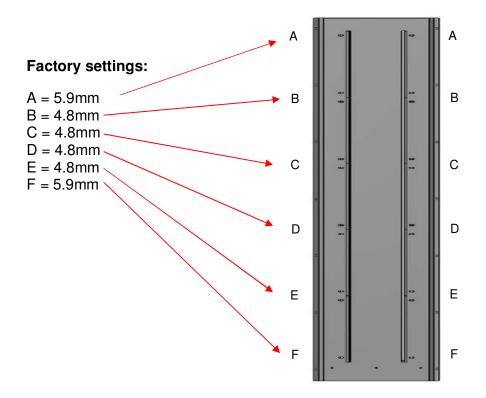
#### Setting the air slots

The oven has an air panel situated in the rear right-hand corner of the baking chamber with adjustable slots, which are accurately set prior to leaving the factory (the factory settings are given in the diagram below). It is through these slots that heated air passes into the baking chamber to perform the baking task. However, external factors can negatively affect the baking result, such as a poorly designed baking programme or the combination of trays and products to be baked, and adjustment of the air slots may be necessary.

However, before making adjustments please consider the following:

- Make sure that differences in baking results are not due to differences in product batches;
- Make sure that the plates that determine the width of the air slot have not come loose thereby causing a change from the factory setting;
- Do not be too hasty in changing air slot settings in response to a sudden change in bake evenness as this may have been caused by other factors, such as, after maintenance of the oven, or a related fault with the oven. Any adjustments to the air slots would be unlikely to cure bake unevenness under these circumstances;
- Check that the air circulation fan's rotation is correct especially after maintenance or replacement.

If it is considered that adjustments to the air slots are necessary, these should be made in small increments and one slot at a time. Measure the slot opening before adjustment then slacken the screw(s) associated with the slot that requires adjustment, adjust slot opening then retighten screw. Measure slot opening after adjustment is complete to confirm the desired dimension has been achieved.



### 11.0 SPARES AND SERVICE

 If a fault arises, please do not hesitate to contact the Customer Service Department, quoting the machine serial number on the silver information plate of the machine and on the front cover of this manual

All correspondence must state the details shown on the oven's identification plate. *This will reduce errors and time wasted during communication.* 

### MONO

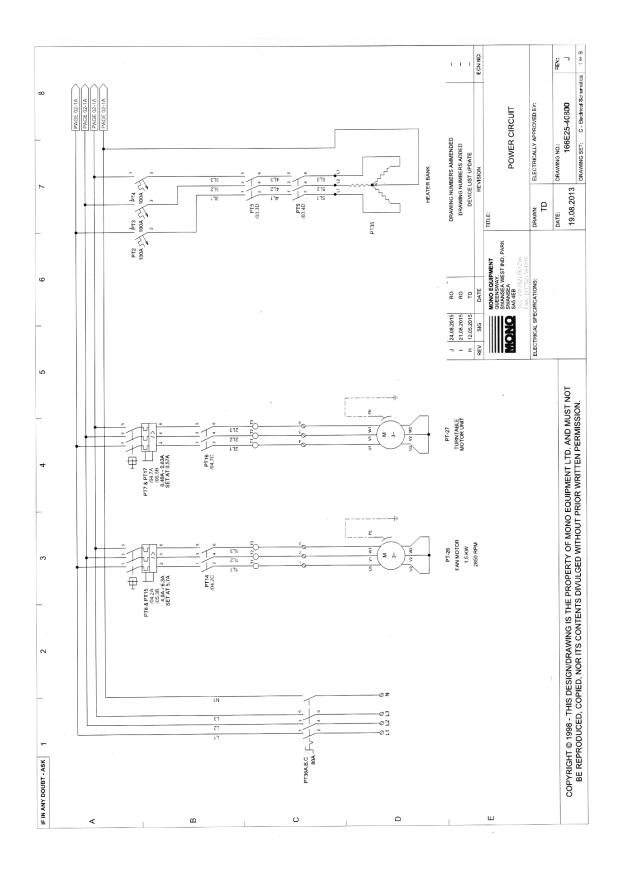
Queensway Swansea West Industrial Estate Swansea. SA5 4EB UK

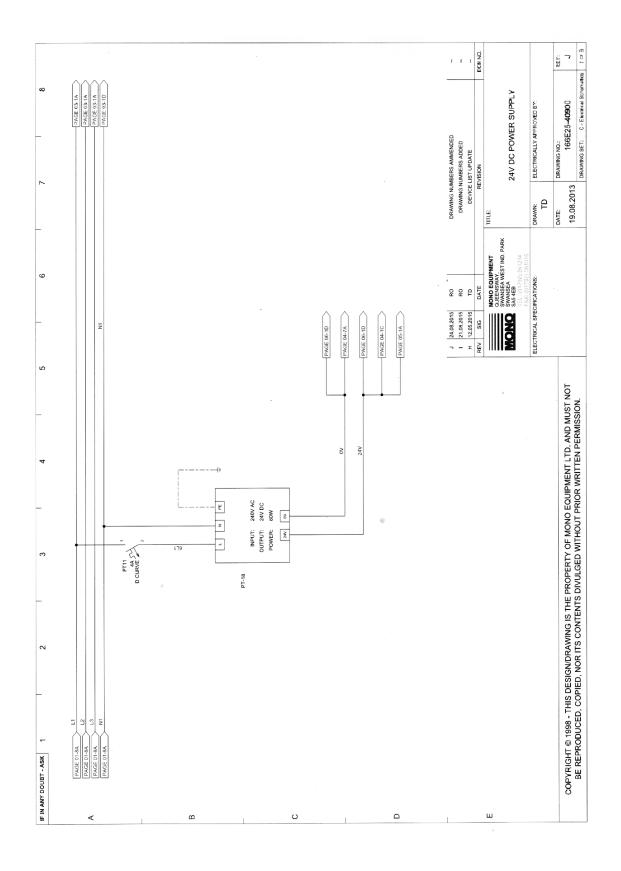
email:spares@monoequip.com Web site:www.monoequip.com

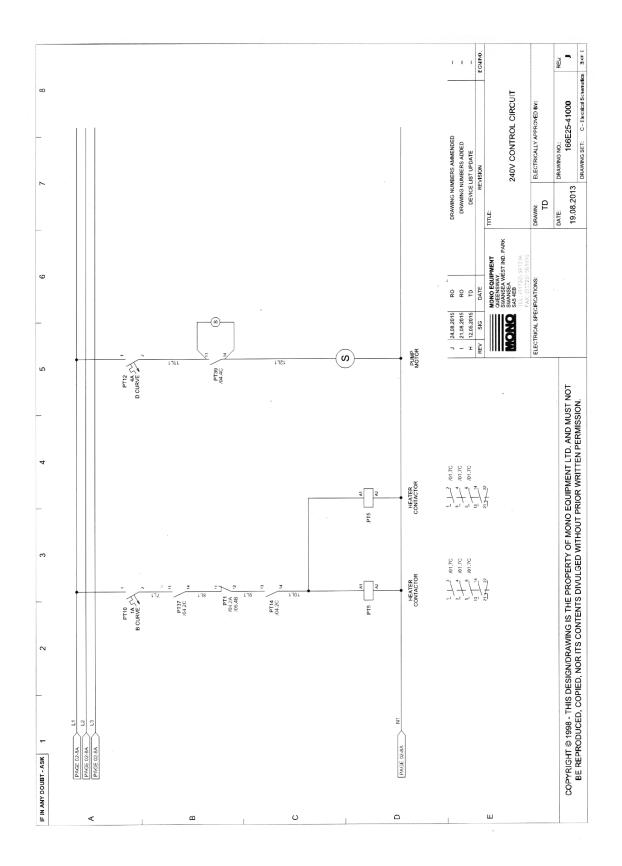
Tel. 01792 561234 Spares +44(0)1792 564039 Fax. 01792 561016

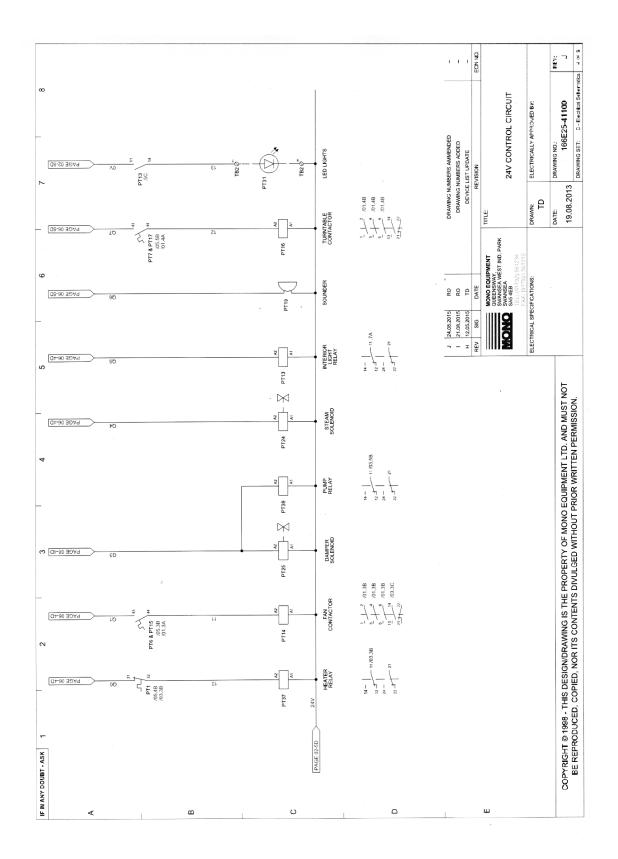


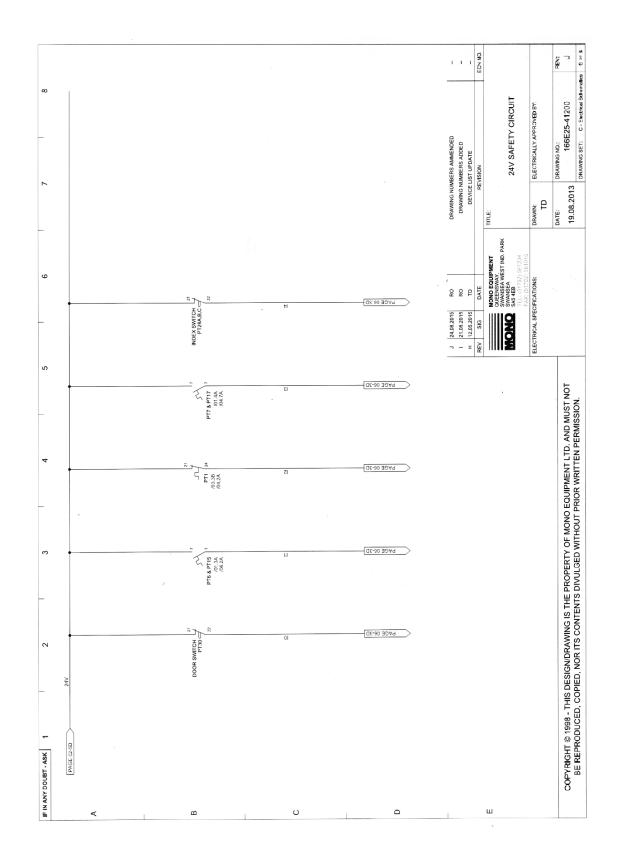
## 12.0 ELECTRICAL INFORMATION

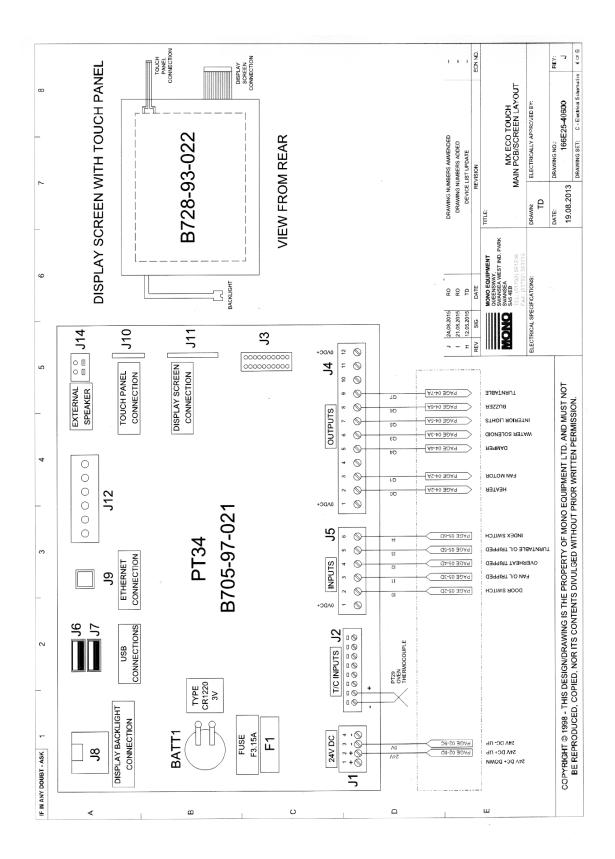












	MXT ECOTOUCH ELECTRIC OVEN - DEVICE	LIST
PART REFERENCE	DESCRIPTION	Mono Part Numbe
PT-1	Overheat Thermostat	B888-30-014
PT-2	Heating Element MCB	B872-22-074
PT-3	Heating Element MCB	<b>B872-22-074</b>
PT-4	Heating Element MCB	B872-22-074
PT-5	Heating Element Contactor	B801-08-032
PT-6	Main Fan Motor Auxiliary Contact	B801-14-006
PT-7	Turntable Motor Auxiliary Contact	B801-14-006
PT-10	Contactor Control Circuit MCB	B872-22-001
PT-11	Control Circuit MCB	B872-22-062
PT-12	Pump Motor MCB	B872-22-062
PT-13	Interior Light Relay	B723-37-021
PT-14	Main Fan Motor Contactor	B801-08-031
PT-15	Main Fan Motor Starter (GV2)	B801-03-024
PT-16	Turntable Motor Contactor	B801-08-031
PT-17	Turntable Motor Starter (GV2)	B801-03-016
PT-18	24V DC Power Supply	B801-93-005
PT-19	Buzzer (Option)	B723-92-002
PT-24	Steam Solenoid	B965-83-007
PT-25	Damper Solenoid	B749-83-004
PT-26	Main Fan Motor	B912-74-035
PT-27	Turntable Motor Unit	B912-74-036
PT-28A	Turntable Index Switch Body	B801-11-013
PT-28B	Turntable Index Switch Head roller plunger	B801-45-008
PT-29	Thermocouple	B709-95-001
PT-30	Door Switch	B801-11-001
PT31	Led light assembly	166-13-00063
PT-34	PCB Assy	158-25-80000
PT-35	Heating Element	B979-04-001
PT36	VCCF4 80A Isolator	B801-07-002
PT-37	Heater Contactor Relay	B723-37-021
PT-38	USB Cable	, B705-25-009
PT-39	Pump Relay (If Pump Fitted)	B723-37-021
PT-40	Suppressor Unit (If Pump Fitted)	B842-48-010
PT-41	Water Pump (If Fitted)	A900-28-005
PT-42	Speaker	B842-92-005







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PT-7	Turntable Motor Auxiliary Contact	B801-14-006
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PT-11	Control Circuit MCB	B872-22-062
PT-12	Pump Motor MCB	B872-22-062
PT-13	Interior Light Relay	B723-37-021
PT-14	Main Fan Motor Contactor	B801-08-031
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PT-16	Turntable Motor Contactor	B801-08-031
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PT-26	Main Fan Motor	B912-74-035
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PT-41	Water Pump (If Fitted)	A900-28-005
PT-42	Speaker	B842-92-005

### **SPARES**

MECHANICAL

 Fan drive "VEE" belt
 A900-21-114

 Door handle
 160-32-02000

 Bottom door seal
 166-13-00060

 Door glass unit
 166-13-00035

 "U" seal for glass unit
 166-13-00055

 Touch screen overlay
 164-90-00001



### MONO

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