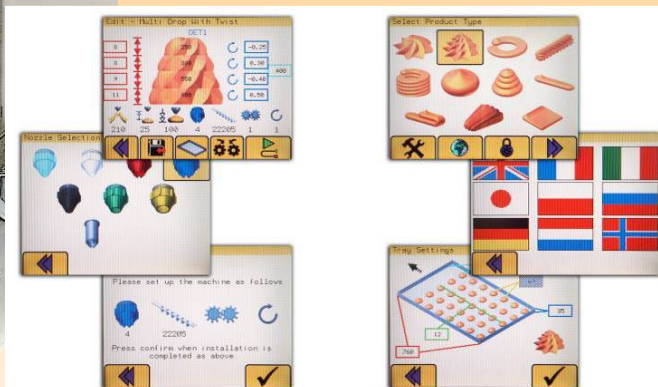


Enter **Serial No.** here.

MANUAL No.Y-OM-02E

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

**Store this document safely and ensure it is available at all times.  
Non-availability may affect the service / repair to your machine.**



## OPERATING AND MAINTENANCE MANUAL

# OMEGA TOUCH DEPOSITOR (400, 450, 580)

## **-DECLARATION OF CONFORMITY-**

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 2006/95/EC**

**The requirements of the  
Electromagnetic Compatibility Directive  
2004/108EC, 91/263/EEC, 92/31/EEC**

**and**

**General Safety of Machinery and  
food processing Standards applicable**

Signed:



(G.A.Williams: Quality Manager)

Date: .....

Machine Code FG..... 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 35, Bryggen Road, North Lynn Industrial Estate, Kings Lynn, Norfolk, PE30 2HZ

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



FOR SAFE WORKING, PAY SPECIAL ATTENTION TO ITEMS MARKED

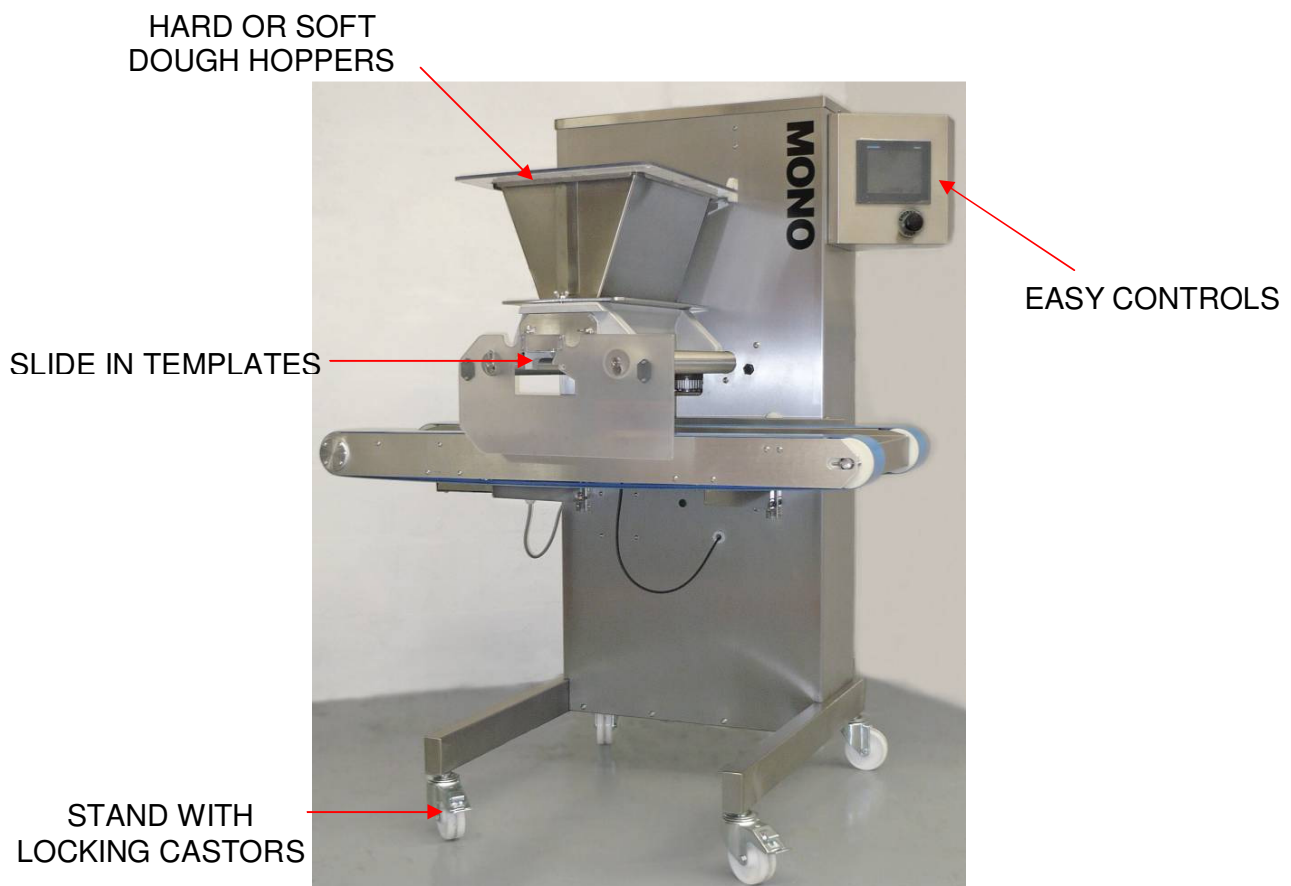


- 1.0 - INTRODUCTION
- 2.0 - DIMENSIONS
- 3.0 - SPECIFICATIONS
- 4.0 - SAFETY 
- 5.0 - INSTALLATION
- 6.0 - ISOLATION
- 7.0 - CLEANING INSTRUCTIONS
- 8.0 - OPERATING CONDITIONS
- 9.0 - PREPARING FOR OPERATION**
  - 9A – FITTING THE HOPPER*
  - 9B – FITTING A TEMPLATE*
- 10.0 - OPERATING INSTRUCTIONS**
  - 1 – SELECT PRODUCT TYPE**
  - 2 – SELECT SAVED NAME OF PRODUCT TYPE**
  - 3 – CONFIRM SETUP**
  - 4 – OPERATOR SCREEN**
  - 5 – EDIT SCREEN**
    - 5A – TRAY SETUP**
  - 6 – COPY**
  - 7 – DELETE**
  - 8 – PASSWORDS**
  - 9 – ENGINEERING SETTINGS**
  - 10 – FAULT INFORMATION SCREENS**
- 11.0 - MAINTENANCE
- 12.0 - SPARES AND SERVICE
- 13.0 - SPARES LIST
- 14.0 - ELECTRICAL INFORMATION

# 1.0 INTRODUCTION

Omega  
Touch

- The innovative “four axis deposit” design of MONO’s **“Omega Touch”** depositor allows it to recreate most of the hand movements of the Master confectioner. This makes the **“Omega Touch”** capable of exceptional accuracy of product weight, size and shape.
- Maintenance is kept to a minimum and the smooth body design makes daily cleaning quick and easy.
- Easy to use computer software gives access to 550 programs, which are stored in the memory and easily recalled for use or modification. Control is via a colour touch screen with graphically represented products already installed that can be created or edited to the required product.
- It is available with soft and hard dough hoppers. There is also a large selection of templates and nozzles.

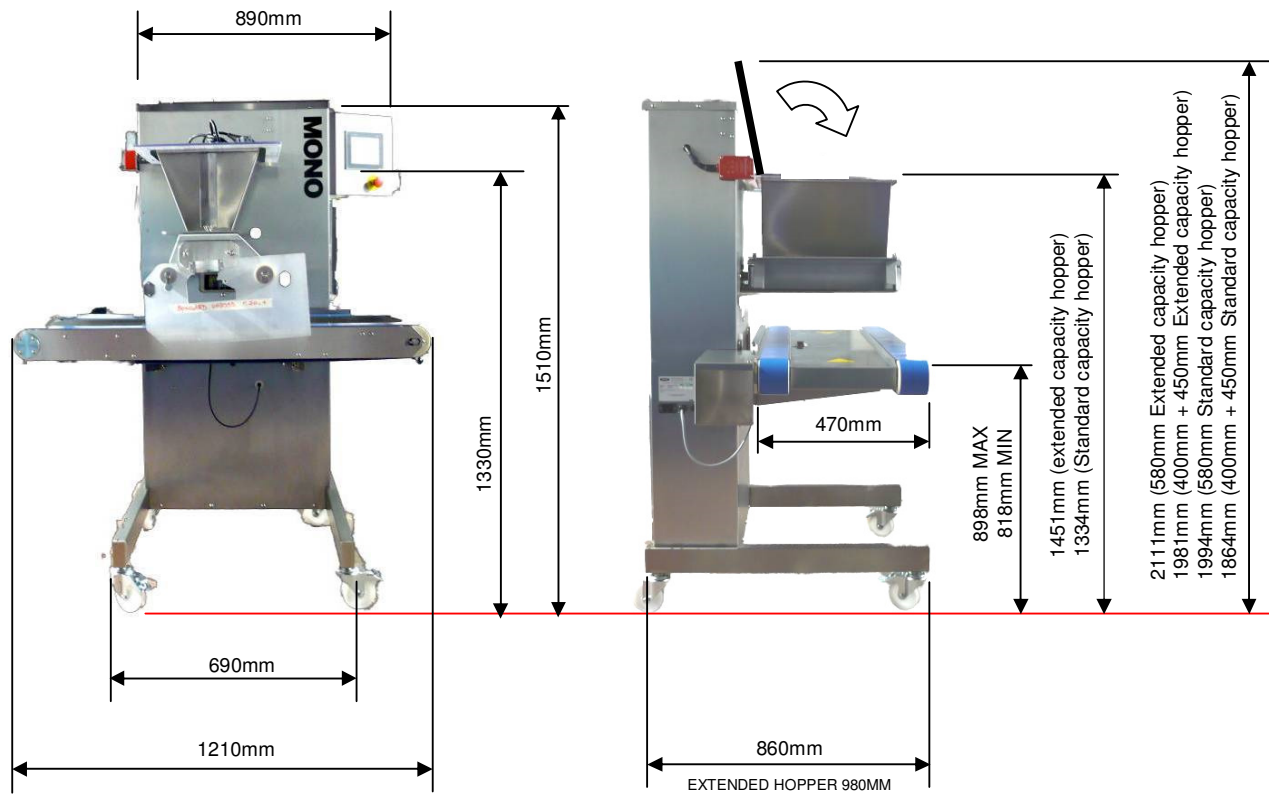


As it is our policy to improve our machines continuously,  
we reserve the right to change specifications without prior notice



## 2.0 DIMENSIONS

**Omega  
Touch**



## 3.0 SPECIFICATIONS

Omega  
Touch

	<u>SOFT DOUGH</u>			<u>HARD DOUGH</u>		
<b>MODEL</b> (Nom. hopper width (mm))	400	450	580	400	450	580
<b>Weight</b> (with hopper fitted) (Kg) :	176	185	194	196	210	224
<b>Standard hopper Capacity</b> (litre) :	20	22.5	29	21	24	31
<b>Extended hopper Capacity</b> (litre) :	36	41	53	31	35	45
<b>Power:</b>	Single phase, 13A max load.Suitable for 200v, 220v, 230v, and 240v, 50-60 Hz supply.					
<b>MAX RATING</b>	2.5kW single phase fused at 13A					
Cycles per minute	= 35					
Min distance between trays	= 50mm					
Max vertical travel	= 80mm					
Max program storage	= 650					
Number of languages	= 13					
Noise level	= Less than 85dB					
Electronics	= All microprocessor controlled					

### NOTE:

The minimum deposit that can be made depends on several factors - recipe, mixing method, template size, nozzle size and deposit speed.

As a guide the following is the minimum that should be attempted:

Macaroons	6g,
Meringues	3g,
Choux Paste	5g,
Viennese	4g,
Sponge Drops	4g.

However, consult **Mono Equipment** if intended product falls outside the above general machine specification to determine the exact capabilities of the "Omega" with any specific product.

As it is our policy to improve our machines continuously, we reserve the right to change specifications without prior notice

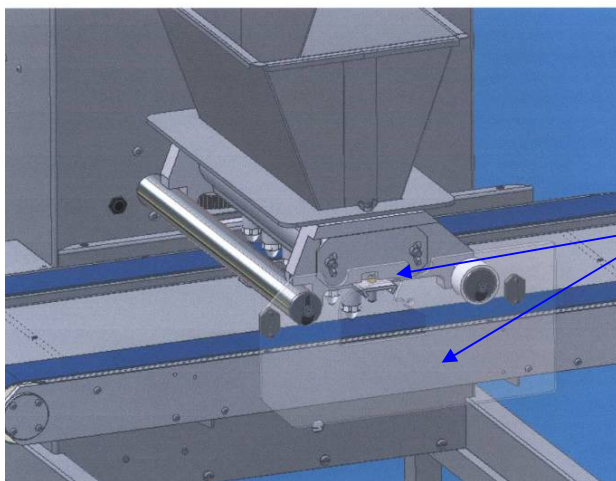


- 1 **Never use a machine in a faulty condition** and always report any damage.
- 2 **Only trained engineers** may remove parts from this machine that requires a tool to do so.
- 3 Always ensure hands are dry before touching any electrical appliance (including cable, switch and plug). **NEVER move machinery by pulling on the power cords or cables.**
- 4 **Ensure that the floor area around the OMEGA is clean to avoid slipping** – especially if carrying heavy hopper and template components to and from the machine.
- 5 **All operatives must be fully trained.**
  - Use of the machine can prove dangerous if:
    - ❑ the machine is operated by **untrained or unskilled staff**
    - ❑ the machine is not used for its **intended purpose**
    - ❑ the machine is **not operated correctly**
  - All safety devices applied to the machine during manufacture and the operating instructions in this manual are required to operate this machine safely. The owner and the operator are responsible for operating this machine safely.**
- 6 People undergoing training on the machine must be under **direct supervision**.
- 7 Do not operate the machine with any panels or **guards removed**.
- 8 **No loose clothing** or jewellery should be worn while operating the machine.
- 9 **Switch off power** at the mains isolator when machine is not in use and before carrying out any **cleaning** or **maintenance**.



10 The bakery manager or the bakery supervisor should carry out **daily safety checks** on the machine.

11 Do not operate machine without hopper **template and guard fitted correctly**.



(11) HOPPER TEMPLATE AND  
GUARD FITTED

12 Due to the essential requirement for handling heavy components during cleaning, it is recommended that **protective footwear** be worn when carrying out such procedures.

**ALL CLEANING AND MAINTENANCE OPERATIONS MUST  
BE MADE WITH MACHINE DISCONNECTED FROM THE  
POWER SUPPLY.**

## 5.0 INSTALLATION

Omega  
Touch

- 1 Ensure that the depositor is connected to correct electric supply as specified on the serial number plate on the side of the machine.
- 2 Ensure that the correct fuse rating is fitted in the electrical supply

## 6.0 ISOLATION

**▲ IN AN EMERGENCY, SWITCH OFF AT THE MAINS WALL ISOLATOR, OR EMERGENCY STOP BUTTON.**

*To release the emergency stop button, turn clockwise.*



**STOP BUTTON**

## 7.0 CLEANING INSTRUCTIONS

**NOTE:**

- Cleaning must be carried out by fully trained personnel only.
- Isolate machine from mains supply before carrying out any cleaning.
- Do not steam clean or use a jet of water.

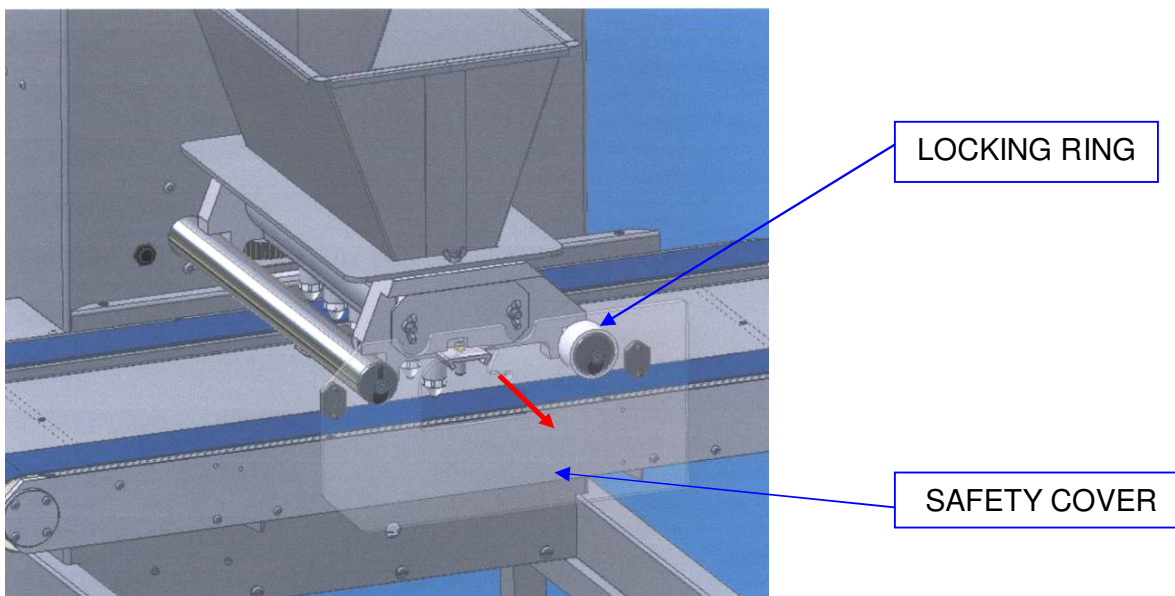
**-Do not use any form of caustic detergent or abrasive cleaners.-**

All the outer surfaces of the machine should be wiped over daily with warm soapy water.

### HARD AND SOFT DOUGH HOPPERS BETWEEN PRODUCT MIX CHANGES

*The feed hopper, pump assembly, template, nozzles etc. should be removed from the machine and dismantled for thorough cleaning between product mix changes.*

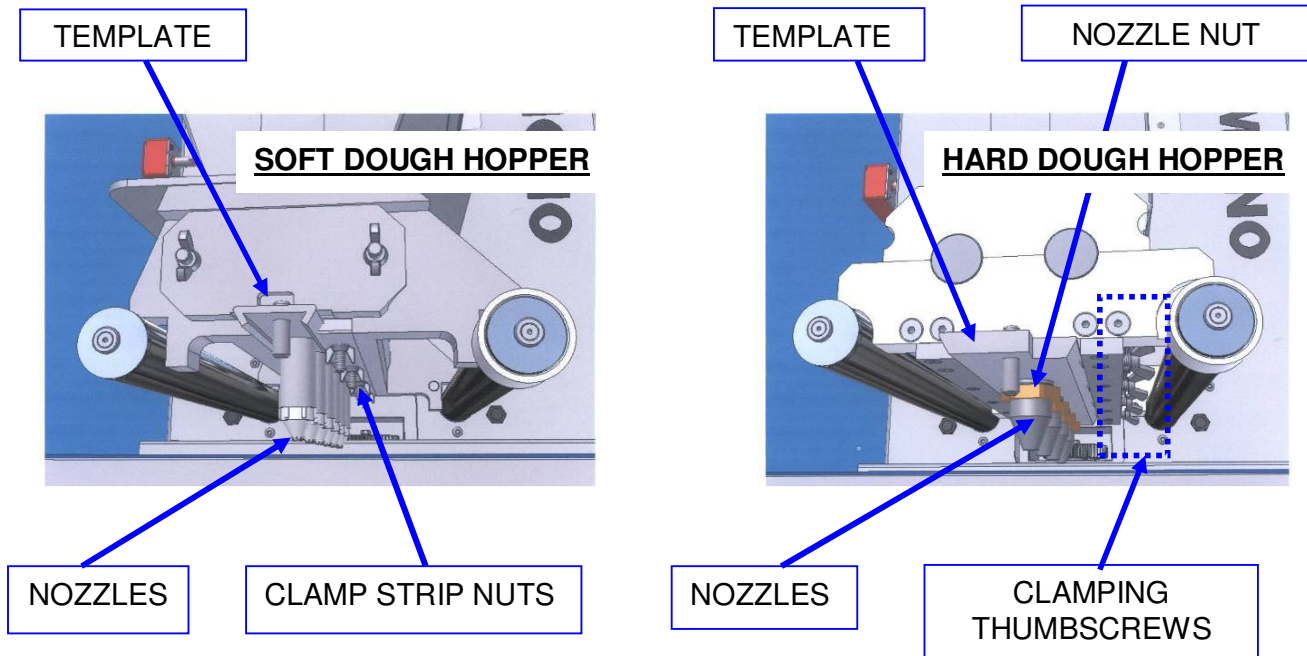
1. Open top safety guard and remove excess mixture remaining in the feed hopper.
2. Lift off front see-through safety cover and locking-ring.



3. Slacken template clamp strip nuts or thumbscrews (depending on type of hopper)  
Remove fitted template from pump assembly by sliding out to avoid subsequent damage.

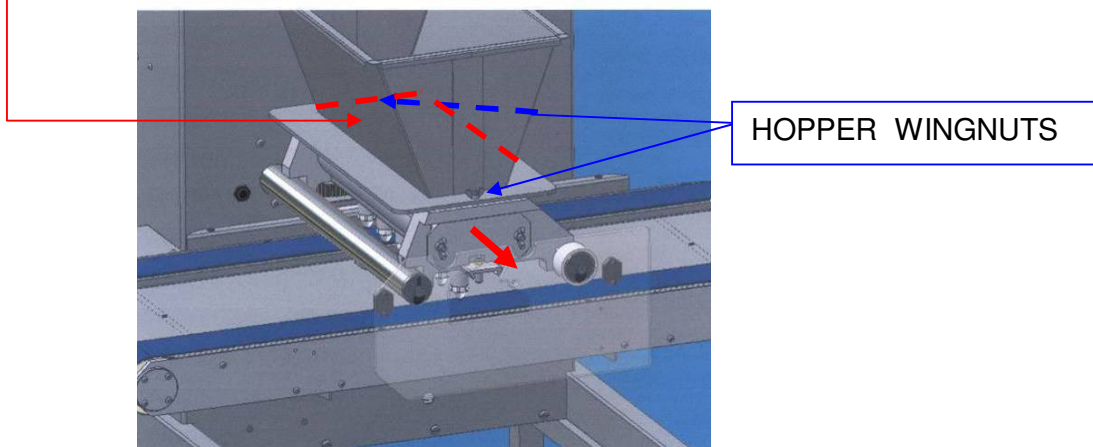
**NOTE.**

*Thumbscrews only need to be released slightly to allow the template to slide away from the pump assembly. If loosened too much, the template will have to be supported.*



- 4 To reduce weight and bulk, separate and remove empty feed hopper from pump assembly whilst still on the machine by unscrewing the wing nuts.

*To gain access to the inner wingnut, slide the complete hopper away from the machine body slightly (keep on support bars) - this will also disengage the pump assembly from the drive shaft.*



*Ensure that the nuts are placed where they will not be lost.*



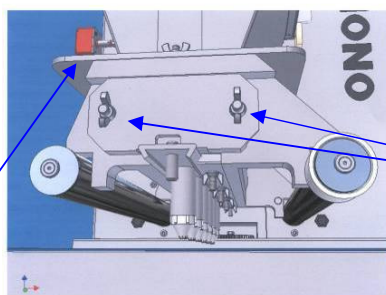
## **CAUTION:**

**The feed hopper and pump assembly exceeds 25kg and will need to be lifted off by two people, or dismantled into smaller components while still on the machine.**

Take care to avoid damage to the sealing surface of the feed hopper during removal, cleaning, assembly and storage.

1. After removing the feed hopper, check condition of feed hopper seal.
2. Unscrew the end cap retaining nuts from the accessible side of the pump assembly.  
*Ensure that the nuts are placed where they will not be lost.*

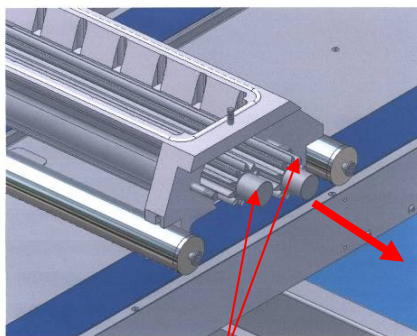
FEED HOPPER  
SEALING SURFACE



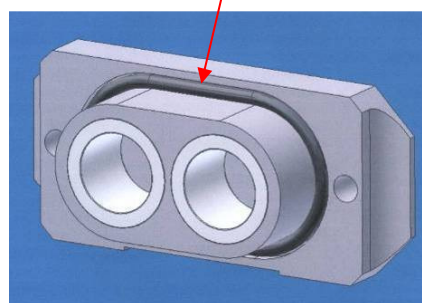
ENDCAP NUTS

3. Withdraw the end-cap with the pump gears.

*Ensure that the 'O' sealing ring on the inside of the end-cap is not damaged during cleaning.*



PUMP GEARS  
REMOVE WITH END CAP  
(NOT SHOWN)



'O' RING IN GROOVE

END CAP

3. Remove remainder of pump assembly from the machine and remove remaining end-cap to fully dismantle pump assembly components for cleaning.



## HARD DOUGH HOPPER

**CAUTION:**

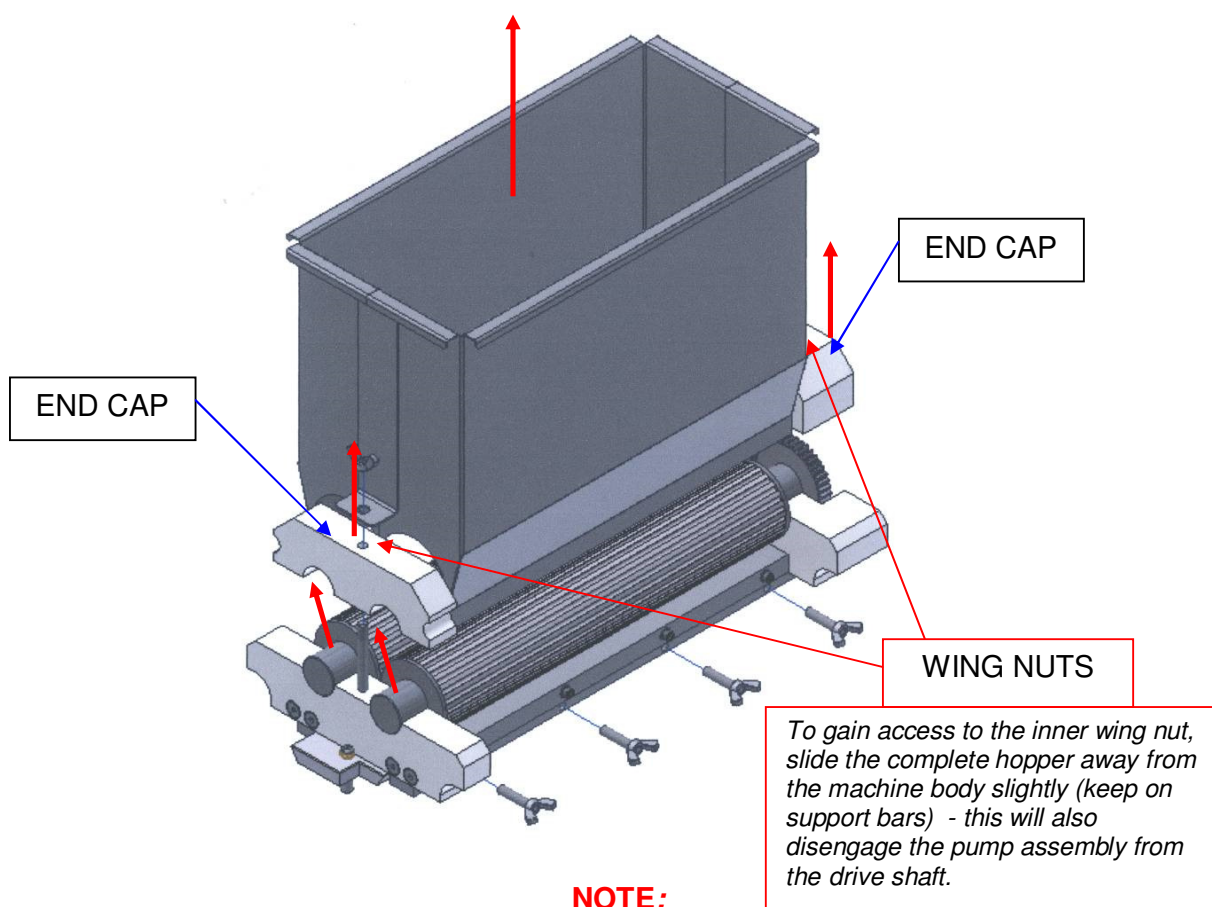
The feed hopper and pump assembly exceeds 25kg and will need to be lifted off by two people, or dismantled into smaller components while still on the machine.

To reduce weight and bulk, separate and remove empty feed hopper from pump assembly, whilst still on the machine, by unscrewing the wing nuts.

*(Ensure that the nuts are placed where they will not be lost.)*

The pump assembly will now be lighter and more easily removed.

1. Lift off both upper plastic end-caps.
2. Remove both gears from the assembly, one at a time, by lifting vertically.
3. Remove remainder of pump assembly from the machine for cleaning.



**Use only warm soapy water to clean these parts that should be rinsed and thoroughly dried before re-assembly.**

**The greatest care must be taken not to drop the hopper.**



**Do not leave any components in the hopper.**





## 8.0 OPERATING CONDITIONS

Omega  
Touch

To obtain the best product results and consistent operation,

- ✓ Make sure the depositor is used on a **level floor**.
- ✓ Ensure **flat trays** of consistent length, width, material and edge dimensions are used.
- ✓ Ensure **undamaged** nozzles and templates are used.
- ✓ Keep the machine **clean**.

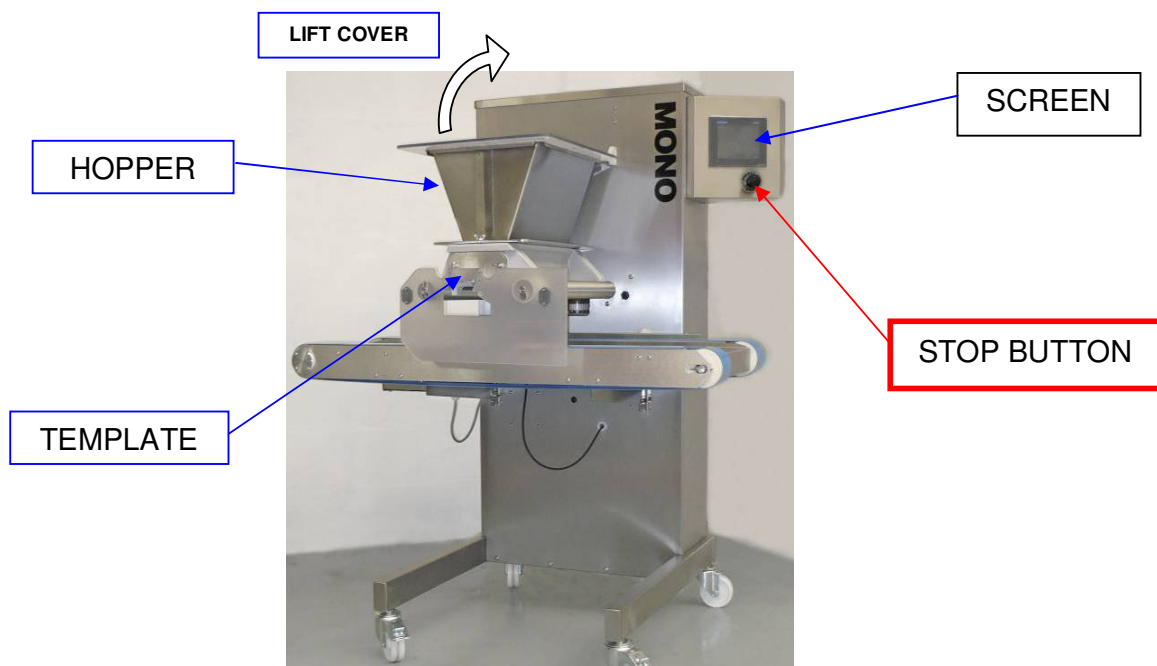


## 9.0 PREPARING FOR OPERATION

Omega  
Touch

- 1 Select template and nozzles required and fit as section 9a & 9b following.  
Fill hopper with mix and close hopper guard.

*It is recommended that when heavy mixes are used, the inside of the hopper should be coated with vegetable oil; for lighter mixes such as meringue, dampen with water. The oil or water will help the mix to settle down the hopper walls and prevent air being sucked in.*



- 2 Connect power cable to electrical supply.  
*Make sure stop button is in released position (turn clockwise if required).*
- 3 Select an existing program or create a new program through the on-screen menus.  
(see section 10 operation)
- 4 The machine is now ready for operation.

## 9a FITTING THE HOPPER

**CAUTION SHOULD BE TAKEN WHEN FITTING HOPPER AND PUMP ASSEMBLY AS WEIGHT EXCEEDS 25KGS ON SOME MODELS**

**It will need to be lifted off by two people, or dismantled into smaller components while still on the machine.**

**MAKE SURE FLOOR AREA AROUND MACHINE IS CLEAN**

To reduce weight and bulk fit the complete hopper assembly in two stages - first the pump assembly onto the support bars, then the feed hopper body onto the pump assembly.

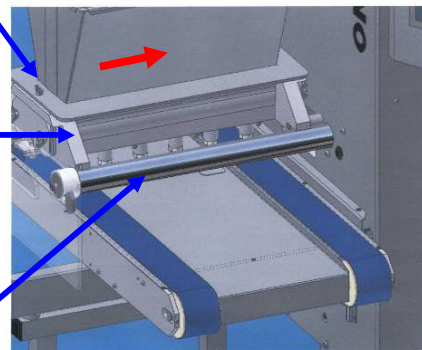
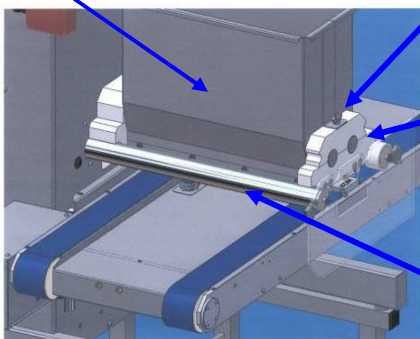
- 1 By hand, align pump assembly drive gear roller with drive shaft on machine.
- 2 Fit hopper to pump assembly and secure with wing nuts.
- 3 Slide hopper on support bars until fully up against machine.

FEED HOPPER

FEED HOPPER  
WINGNUTS  
(EACH END)

PUMP ASSEMBLY

SUPPORT BARS



### HARD DOUGH

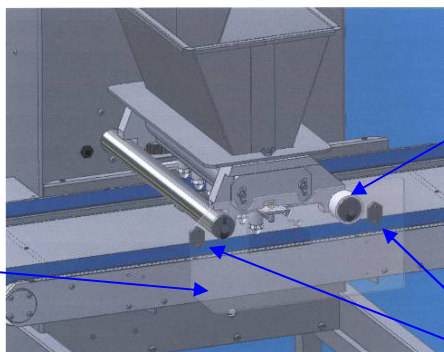
### SOFT DOUGH

- 4 After the hopper is fitted, the hopper-locking ring **MUST BE** replaced on the support bar and safety cover replaced with the reflectors facing towards machine body.

SAFETY COVER

LOCKING RING

REFLECTORS



**DO NOT OPERATE MACHINE WITHOUT TEMPLATE FITTED**

## 9b FITTING A TEMPLATE

- **Soft dough**

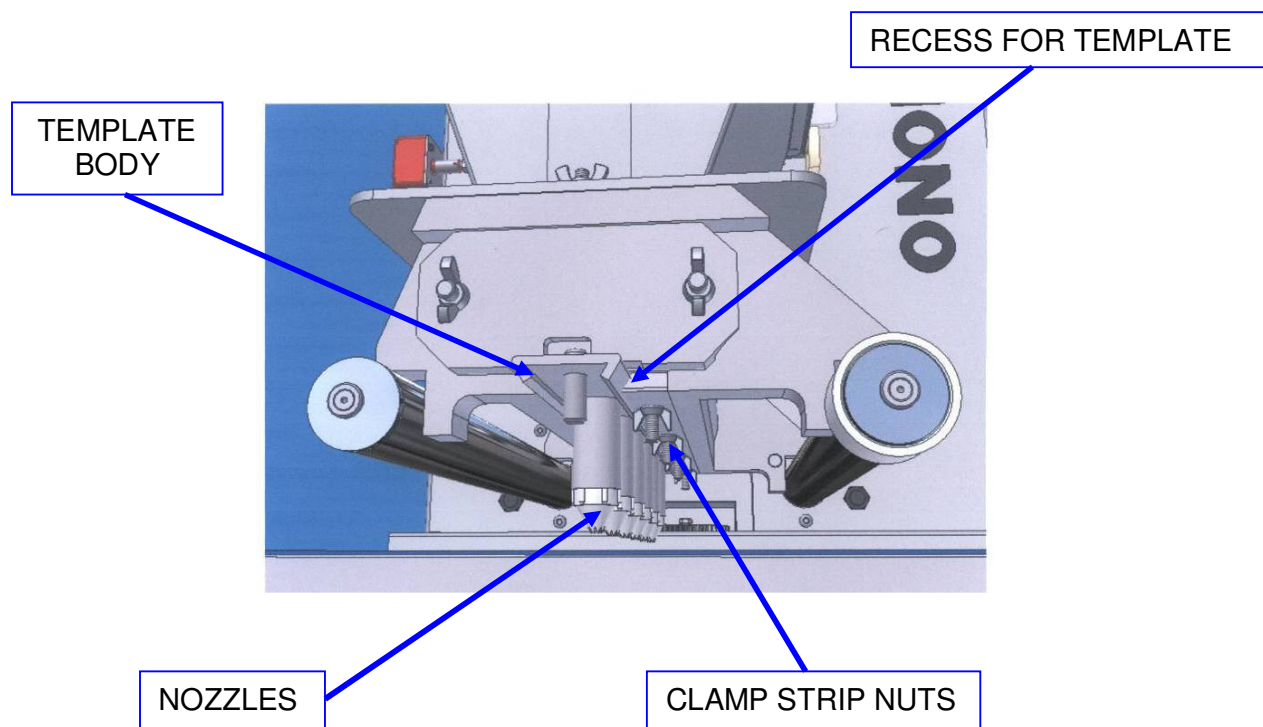
Non-rotary templates that can be fitted with nozzles, requires screwing the nozzles into the threaded holes provided.

Rotary templates can have plastic nozzles screwed into nozzle holders (straight or offset).

OR

Metal nozzles secured in place by a separate nut.

- 1 Select template and nozzles required.  
(Nozzles are not required for sheeting, staggered or stub templates)
- 2 Attach nozzles to template body:



- 3 Slide template into matching recess at base of pump assembly until the stop is in position.
- 4 Tighten nuts on clamp strip (on underside of pump assembly) to secure template.

**NOTE.** If the nuts are not securely tightened, leakage of mix will occur, affecting deposit weights.

**DO NOT OPERATE MACHINE WITHOUT TEMPLATE FITTED**

- **Hard dough**

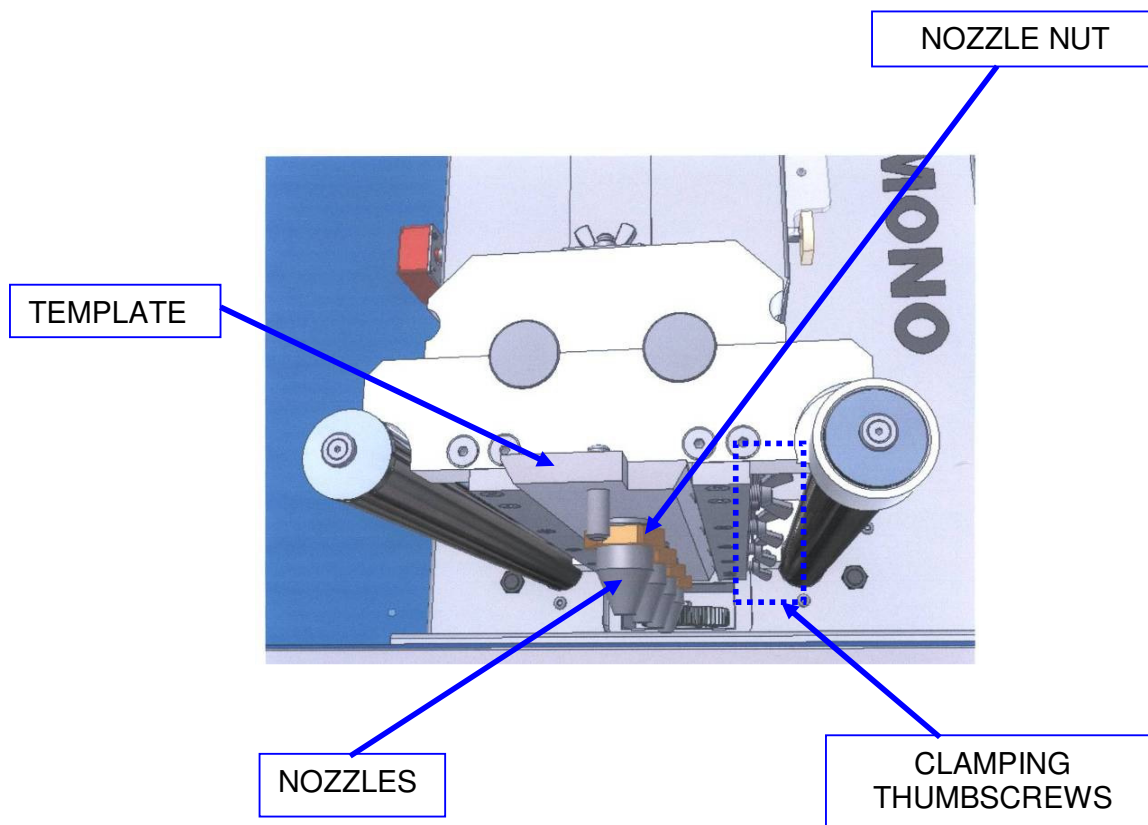
Non-rotary templates that can be fitted with nozzles, require them to be secured in place with a separate nut. Nozzles are not required for sheeting templates.

Rotary templates require nozzles to be secured in place with a separate nut.

- 1 Select template and nozzles required.
- 2 Attach nozzles to template body using special nut:
- 3 Slide template into position and hand-tighten thumbscrews.

**NOTE.**

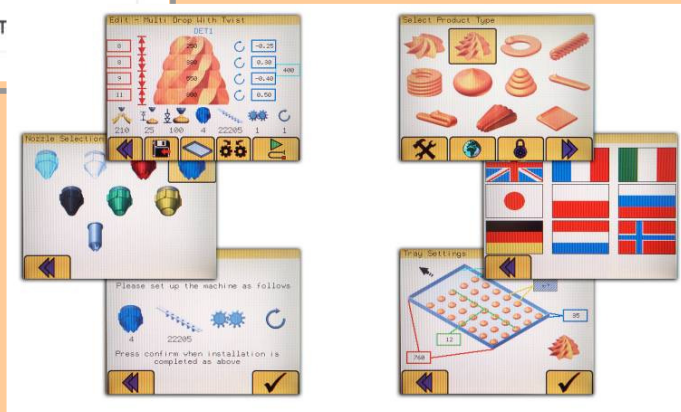
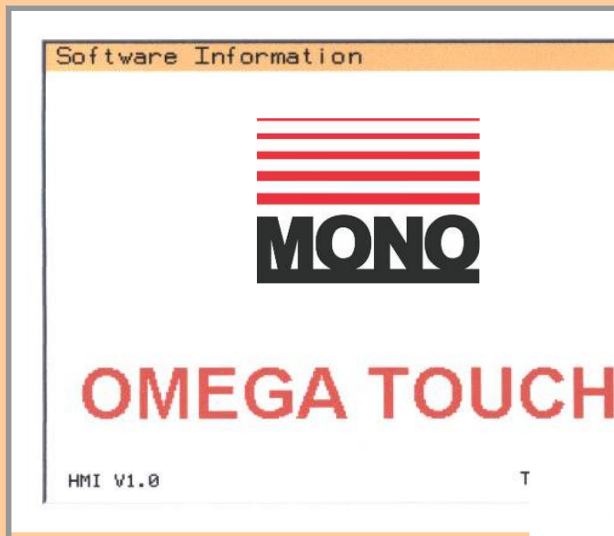
*Thumbscrews only need to be released slightly to allow the template to slide away from the pump assembly. If loosened too much the template will have to be supported while the screws are tightened.*



**DO NOT OPERATE MACHINE WITHOUT TEMPLATE FITTED**

## 10.0 'OMEGA TOUCH' OPERATION

Omega  
Touch





# OPERATING KEY

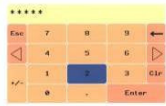
## FOR FOLLOWING INSTRUCTIONS

**BLUE = OPERATION**

FOLLOW BLUE ARROWS AND BOXES TO OPERATE THE DEPOSITOR WITH ALREADY SAVED PROGRAMS

**RED = CHANGE SETTINGS**

FOLLOW RED ARROWS AND BOXES TO CHANGE SETTINGS AND CREATE NEW PROGRAMS

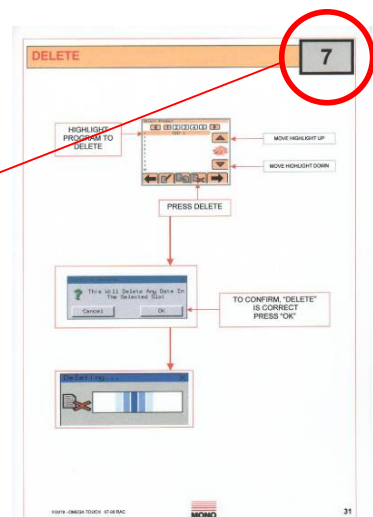
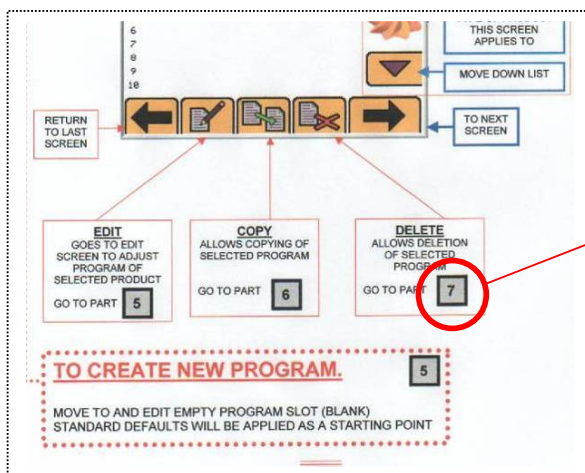


**KEYBOARD ENTRY  
REQUIRED**

WHEN KEYBOARD APPEARS, A CODE MUST BE ENTERED BY TOUCHING THE NUMBERS IN THE CORRECT ORDER

IF A GREY BOX IS SHOWN IN THE BUTTON DESCRIPTION  
e.g. 7 GO TO THE CORRESPONDING PAGE FURTHER  
ON IN THE INSTRUCTIONS.

(MARKED IN TOP RIGHT HAND CORNER OF EACH PAGE)

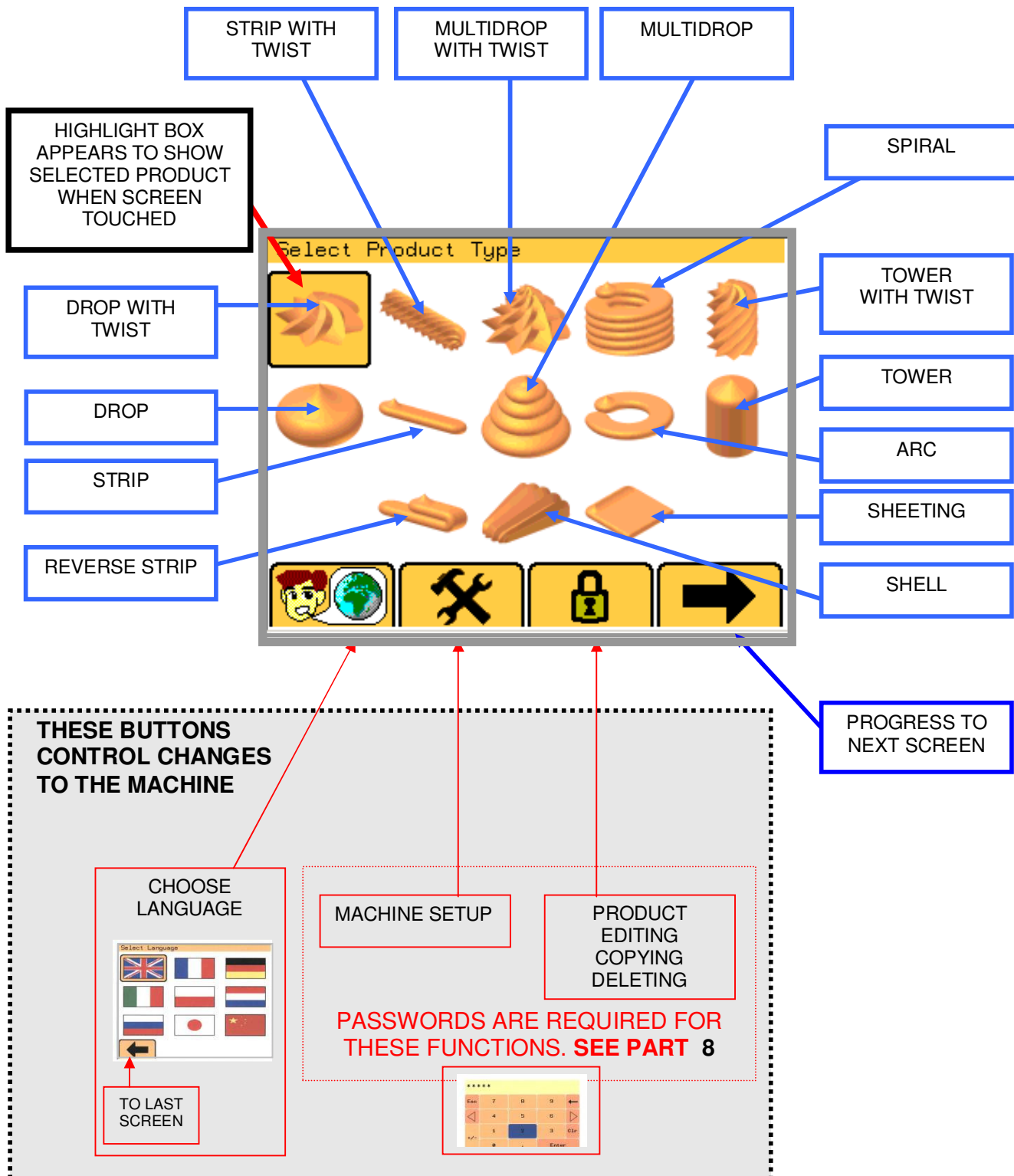


# SELECT PRODUCT TYPE

SELECT PRODUCT TO DEPOSIT OR TO CREATE NEW PROGRAM

1

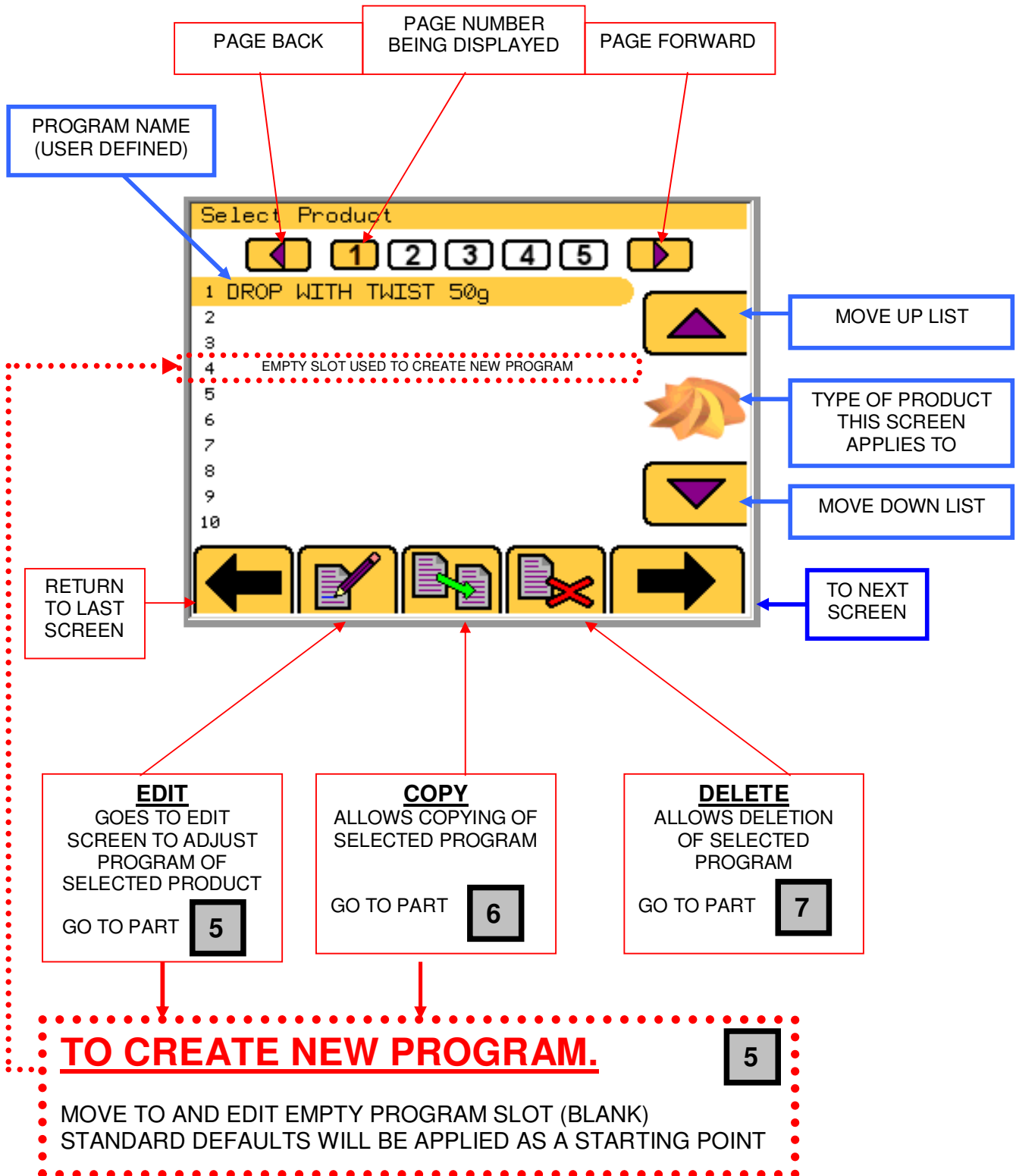
TOUCH THE SCREEN FOR THE TYPE OF PRODUCT REQUIRED  
THEN → TO MOVE TO NEXT SCREEN



# SELECT SAVED PRODUCT TYPE

OR CHOOSE EMPTY SLOT TO CREATE A NEW PROGRAM

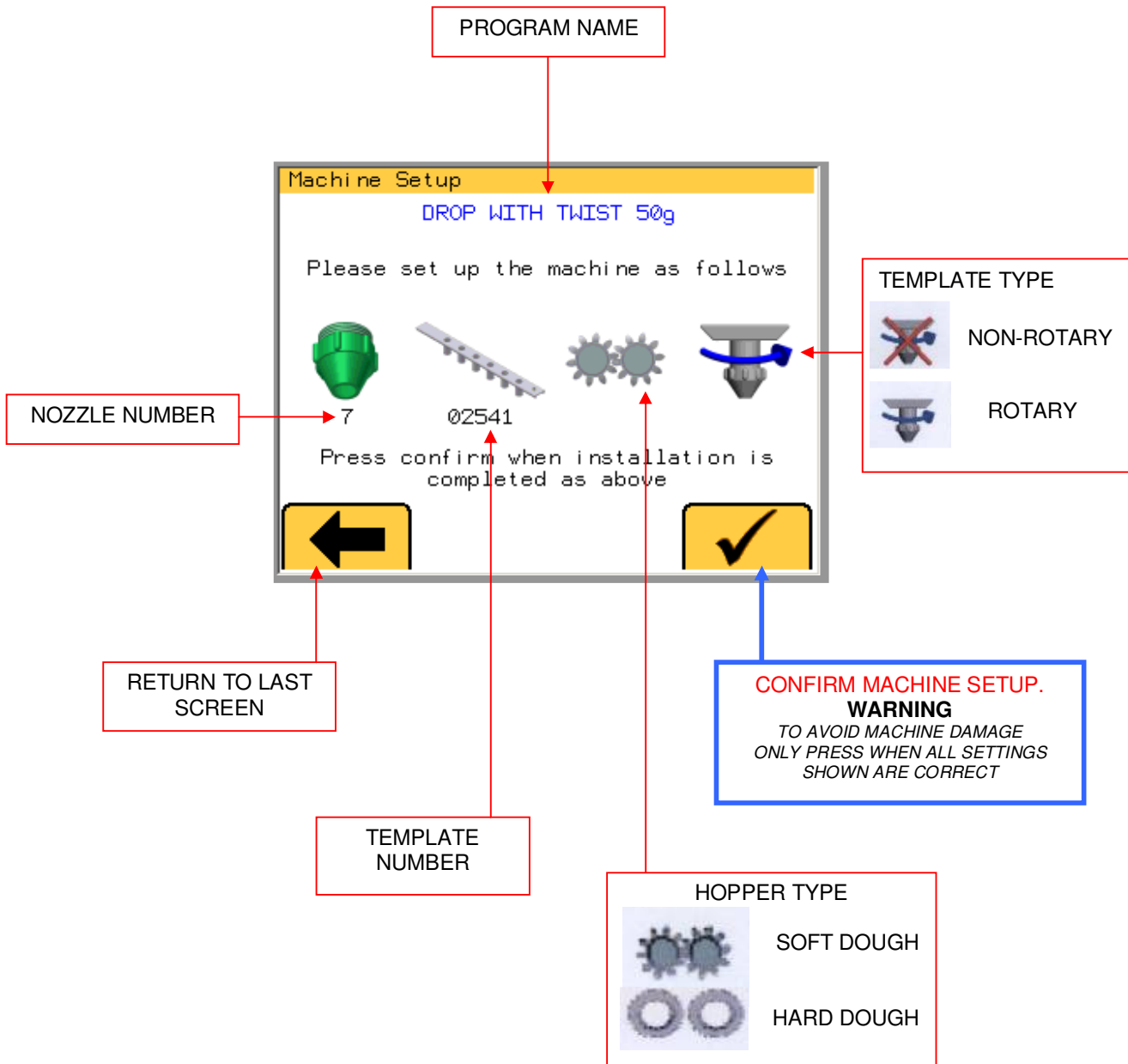
2



## CONFIRM SETUP OF MACHINE

3

MACHINE MUST BE SET AS SHOWN ON THE SCREEN.  
THEN PRESS CONFIRM BUTTON.

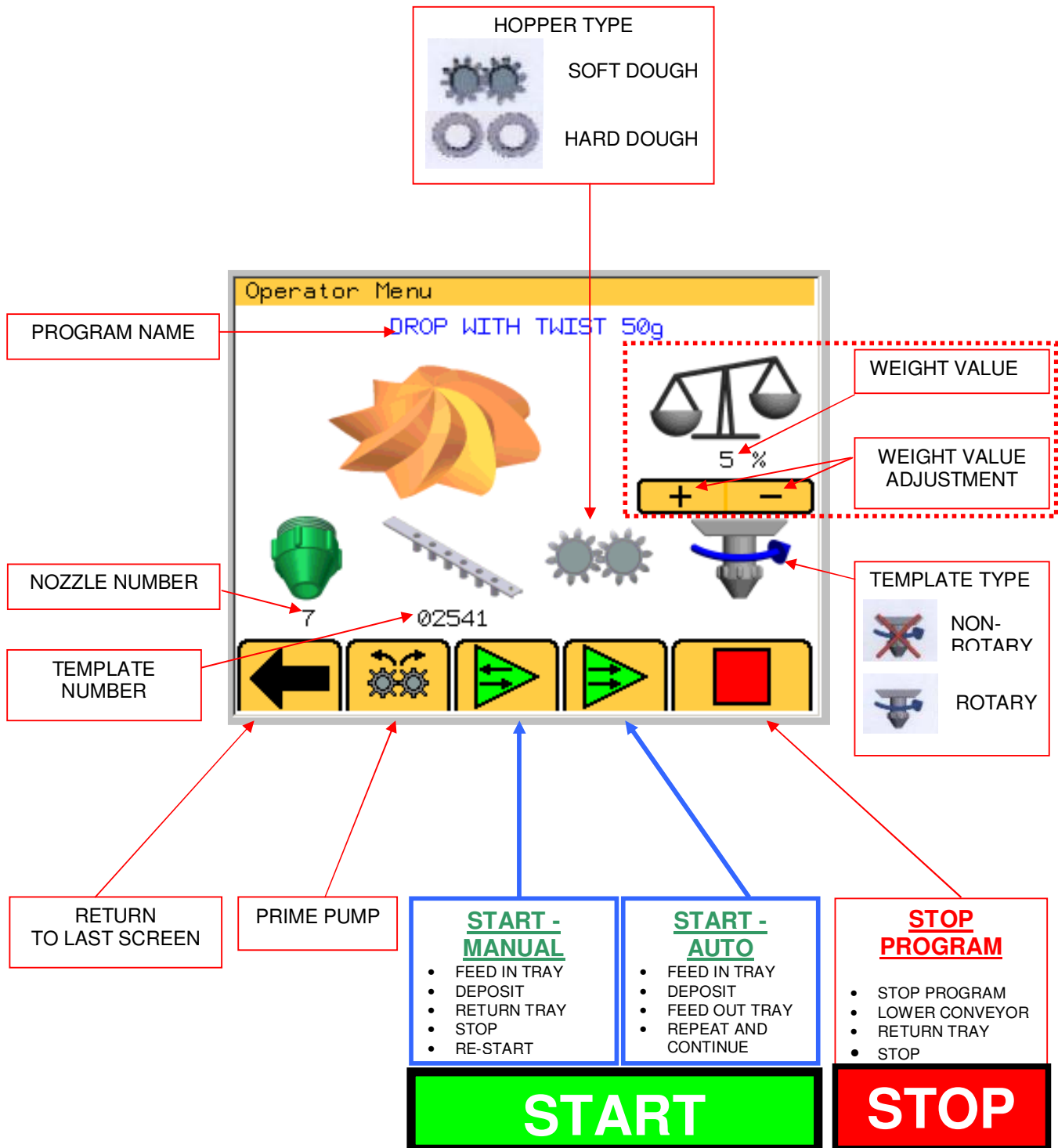


**TO AVOID MACHINE DAMAGE**  
**ONLY PRESS CONFIRM BUTTON WHEN ALL PARTS ATTACHED TO THE MACHINE**  
**ARE AS SHOWN ON THE SCREEN**

# OPERATOR SCREEN

4

MACHINE IS SET AS SHOWN ON THE SCREEN.  
THIS SCREEN CONTROLS THE ACTIONS REQUIRED BY THE OPERATOR.



# EDIT AND SAVE SCREEN

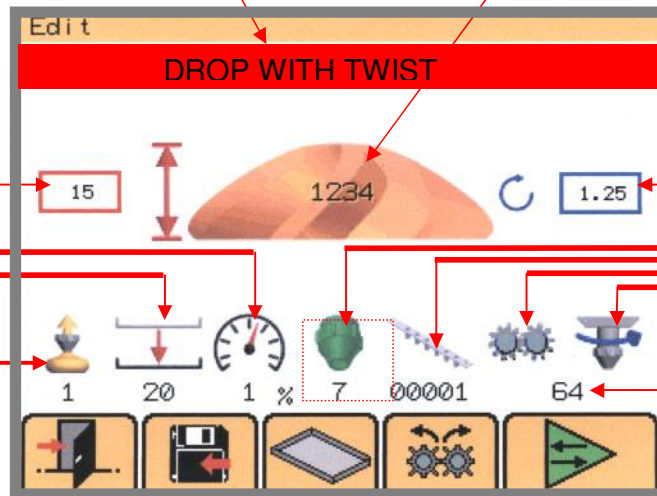
5

## EXAMPLE: DROP WITH TWIST

PROGRAM NAME  
MUST BE ENTERED TO  
ALLOW PROGRAM TO SAVE

PRODUCT QUANTITY  
THIS IS A SETTING NUMBER AND  
DOES NOT INDICATE A MEASURE OF  
ACTUAL VOLUME

NOZZLE HEIGHT (mm)  
ABOVE TRAY SURFACE



NOZZLE ROTATIONS  
NUMBER OF TURNS  
DURING A DEPOSIT CYCLE

EXIT THIS SCREEN



ENTER TRAY  
SETUP  
SCREEN

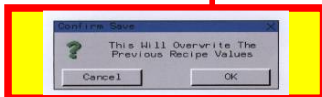
GO TO PART  
5A

MAX HEIGHT FOR  
HOPPER/TEMPLATE  
COMBINATION

START  
MANUAL MODE

PRIME PUMP  
(SOFT DOUGH SHOWN)

SAVE EDITS



### NOTE

A RED BACKGROUND TO ANY  
SETTING MEANS THAT THE  
VALUE SHOULD BE  
CORRECTED

TEMPLATE TYPE  
ROTARY  
NON-ROTARY

SELECT HOPPER  
HARD DOUGH  
SOFT DOUGH

TEMPLATE NUMBER  
ENTER VIA KEYPAD  
THAT APPEARS WHEN  
PRESSED



SUCK BACK  
QUANTITY

TABLE  
JOG DISTANCE (mm)

OVERALL  
MACHINE SPEED  
(% OF MAXIMUM)

CHOOSE NOZZLE TYPE





## EXAMPLE: MULTIDROP WITH TWIST

DEPOSIT QUANTITY FOR EACH LAYER

SETTING ERROR INDICATOR  
BOXES TURN RED WHEN INCORRECT SETTING MADE

NOZZLE HEIGHT (mm) FOR EACH LAYER

NOZZLE HEIGHT (mm) FROM TRAY SURFACE

NUMBER OF TURNS FOR EACH LAYER (-VE VALUES POSSIBLE)

OTHER SETTING BUTTONS ARE THE SAME AS LAST PAGE

PRIME PUMP (HARD DOUGH SHOWN)

## EXAMPLE: SHEETING / STRIP

DEPOSIT QUANTITY FOR BEGINNING OF PRODUCT

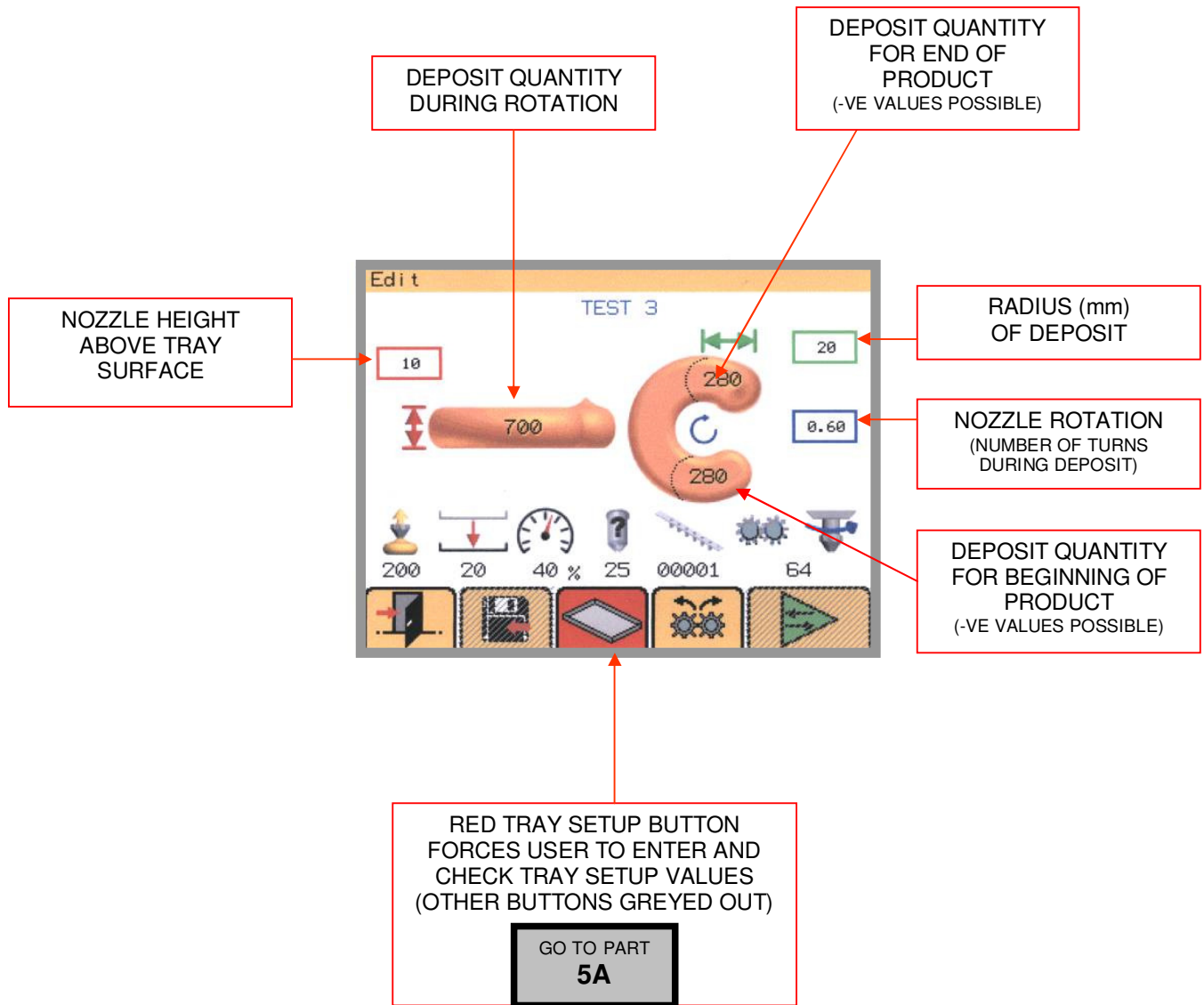
DEPOSIT QUANTITY FOR LENGTH

DEPOSIT QUANTITY FOR END OF PRODUCT (-VE VALUES POSSIBLE)

NOZZLE HEIGHT ABOVE TRAY SURFACE

LENGTH (mm) OF TRAY MOVEMENT

**EXAMPLE:  
“C” SHAPE  
(ARC)**

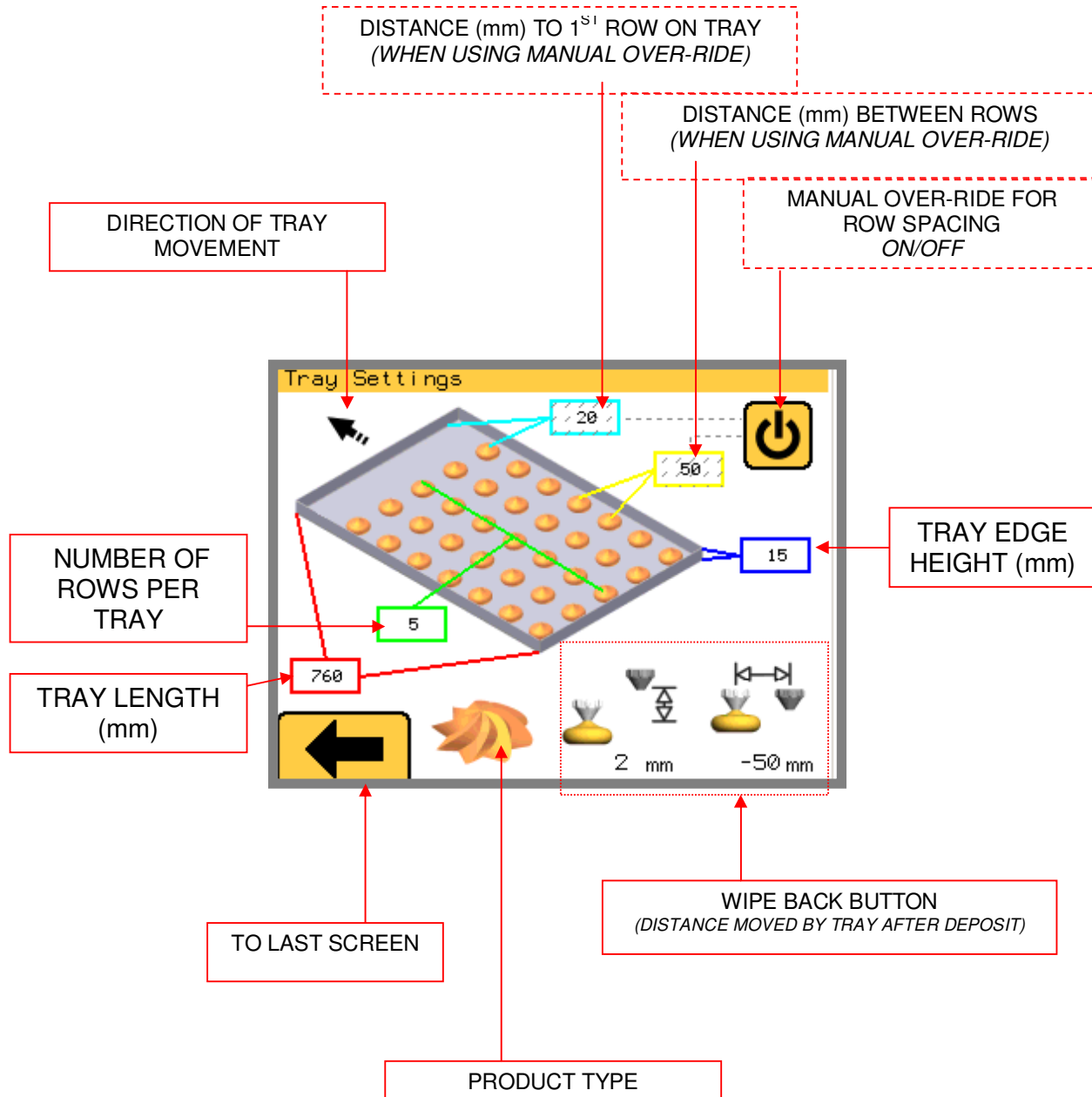


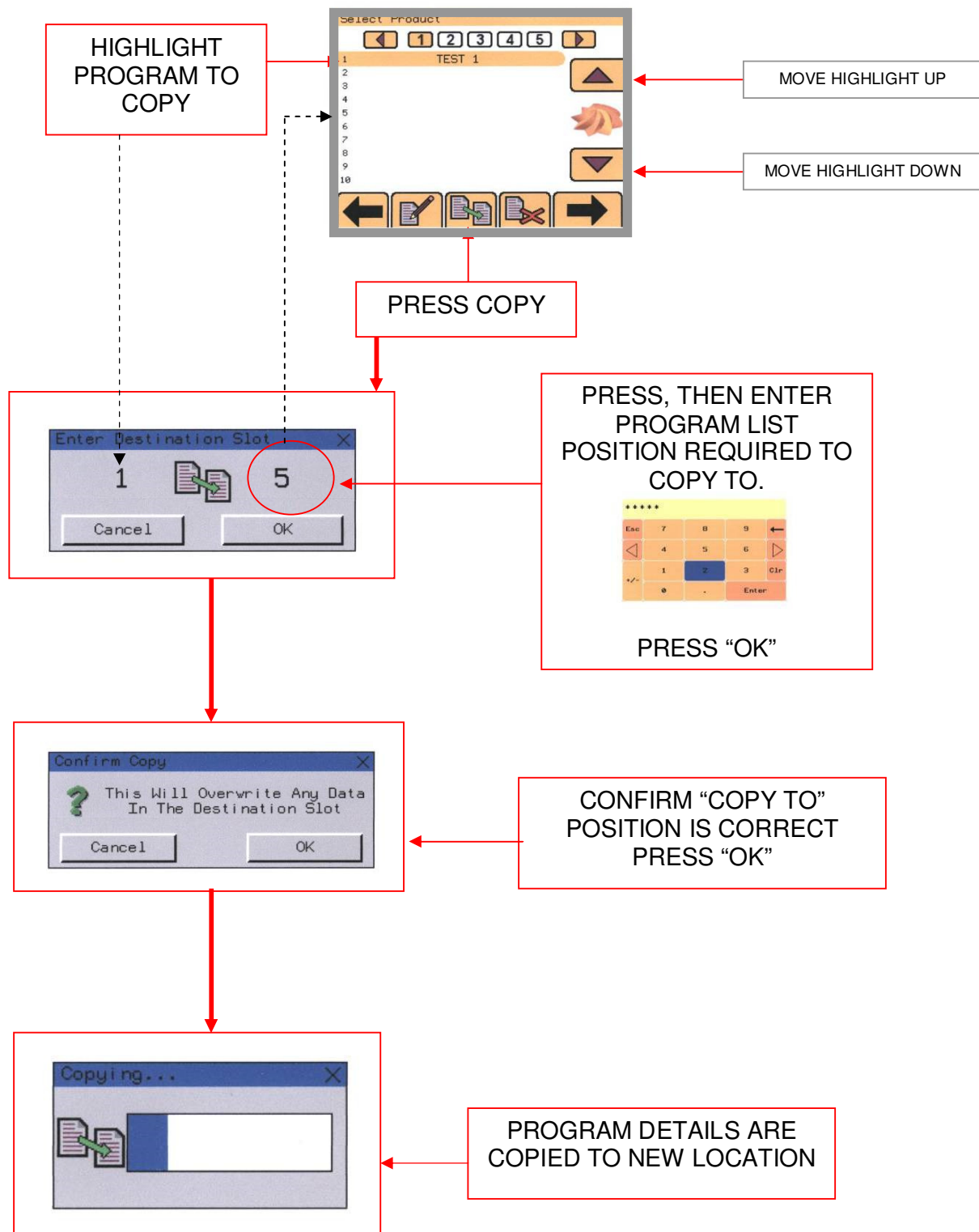
# TRAY SETUP

5A



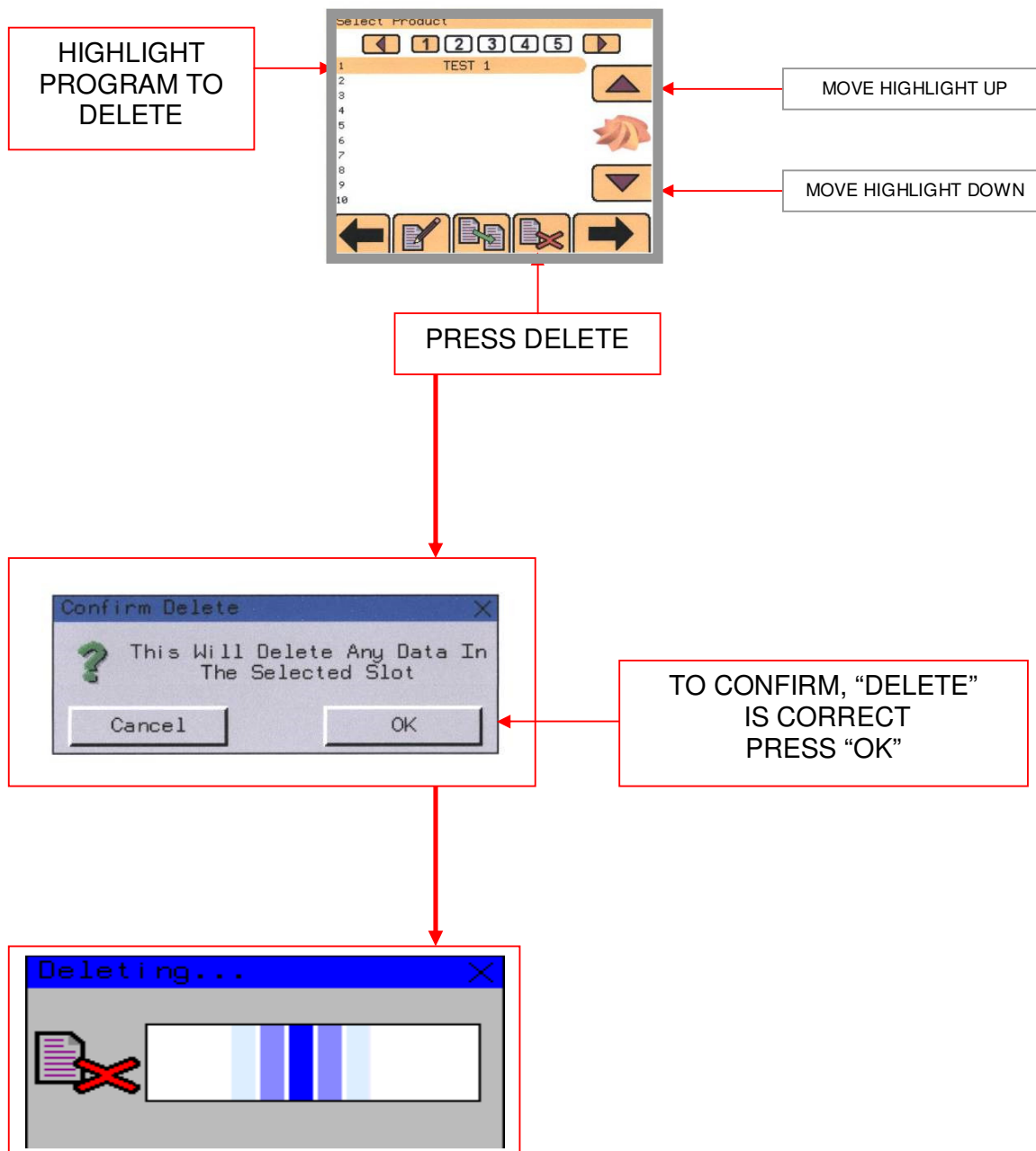
PRESS WINDOWS AND ENTER  
VALUES VIA KEYPAD





# DELETE

7



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

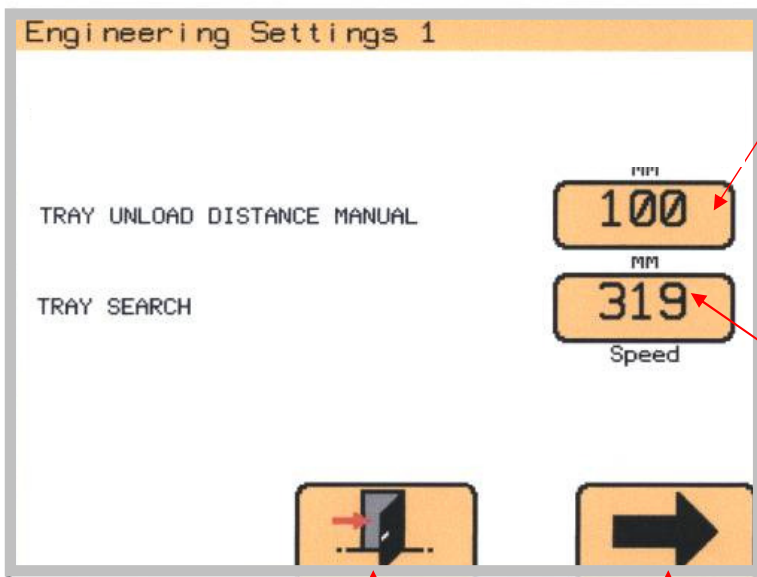




# ENGINEERING SETTINGS (1)

9<sub>/1</sub>

THIS SECTION IS FOR TRAINED ENGINEERS ONLY



IN MANUAL MODE:  
DISTANCE THAT THE LEADING EDGE  
OF THE TRAY IS BROUGHT BACK  
PASSED THE TRAY SENSOR, WHEN  
RETURNING TO OPERATOR

SPEED VALUE THAT TRAY IS  
FED UP TO TRAY SENSOR

EXIT  
THIS SCREEN

GO TO NEXT SCREEN  
ENGINEERING SETTING 2  
(NEXT PAGE)

## **CAUTION**

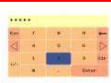
**DO NOT ATTEMPT TO MAKE ADJUSTMENTS UNLESS YOU ARE  
FULLY AWARE OF THE RESULTS**

# ENGINEERING SETTINGS (2)

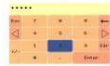
9/2

THIS SECTION IS FOR TRAINED ENGINEERS ONLY

DEFAULT  
TRAY SPEED  
(MOVEMENT BETWEEN ROWS)



DEFAULT  
JOG SPEED  
(VERTICAL AFTER DEPOSIT)



DEFAULT SPEED OF PUMP  
(100% VALUE IN PRODUCT SETUP PROGRAM)



Engineering Settings 2

DEFAULT PUMP	700 Speed	3000 Acceleration
DEFAULT JOG	250 Speed	5000 Acceleration
DEFAULT TRAY	600 Speed	5000 Acceleration
PRIME PUMP	250 Speed	

← [Back Arrow] [Prime Button] [Next Arrow] →

DEFAULT  
ACCELERATION  
FOR PUMP



DEFAULT  
ACCELERATION  
FOR JOG



DEFAULT  
ACCELERATION  
FOR TRAY



PUMP SPEED  
WHEN USING  
PRIME BUTTON



EXIT  
THIS SCREEN

GO TO PREVIOUS  
SCREEN  
**ENGINEERING SETTING 1**  
(PREVIOUS PAGE)

GO TO NEXT SCREEN  
**ENGINEERING SETTING 3**  
(NEXT PAGE)

## CAUTION

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

# ENGINEERING SETTINGS (3)

9/3

THIS SECTION IS FOR TRAINED ENGINEERS ONLY

OFFSET HEIGHT VALUE (mm)  
**HARD DOUGH HOPPER  
NON-ROTARY TEMPLATE**

OFFSET HEIGHT VALUE IS  
FACTORY SET AND SHOULD NOT  
BE CHANGED UNLESS  
INSTRUCTED TO DO SO.  
**DAMAGE TO THE MACHINE  
COULD OCCUR**

OFFSET HEIGHT VALUE (mm)  
**HARD DOUGH HOPPER  
ROTARY TEMPLATE**

OFFSET HEIGHT VALUE (mm)  
**SOFT DOUGH HOPPER  
ROTARY TEMPLATE**

OFFSET HEIGHT VALUE (mm)  
**SOFT DOUGH HOPPER  
NON-ROTARY TEMPLATE**

DISTANCE (mm) FROM **HARD**  
DOUGH HOPPER DEPOSITING  
CENTRELINE TO TRAY EDGE  
DETECTION POINT  
(USED IN ROW SPACING CALCULATIONS)

DISTANCE (mm) FROM **SOFT**  
DOUGH HOPPER DEPOSITING  
CENTRELINE TO TRAY EDGE  
DETECTION POINT  
(USED IN ROW SPACING CALCULATIONS)

Engineering Settings 3

HARD DOUGH OFFSET	13	37
SOFT DOUGH OFFSET	0	16
HARD DOUGH CENTRE LINE OFFSET	-19	
SOFT DOUGH CENTRE LINE OFFSET	0	

← [Machine Icon] →

EXIT  
THIS SCREEN

GO TO PREVIOUS  
SCREEN  
**ENGINEERING SETTING 2**  
(PREVIOUS PAGE)

GO TO NEXT SCREEN  
**ENGINEERING SETTING 4**  
(NEXT PAGE)

## CAUTION

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

THIS SECTION IS FOR TRAINED ENGINEERS ONLY

## GEARBOX RATIOS

The screenshot shows the 'Engineering Settings 4' screen with the following settings:

Setting	Value 1	Value 2
PUMP GEARBOX RATIO	28	1
TRAY GEARBOX RATIO	10	1
JOG GEARBOX RATIO	15	1
ROTARY GEARBOX RATIO	10	1

Navigation buttons at the bottom:

- Left arrow: GO TO PREVIOUS SCREEN ENGINEERING SETTING 3 (PREVIOUS PAGE)
- Center icon: EXIT THIS SCREEN
- Right arrow: GO TO NEXT SCREEN ENGINEERING SETTING 5 (NEXT PAGE)

Labels on the right side pointing to the settings:

- PUMP
- TRAY
- JOG
- ROTARY

### **CAUTION**

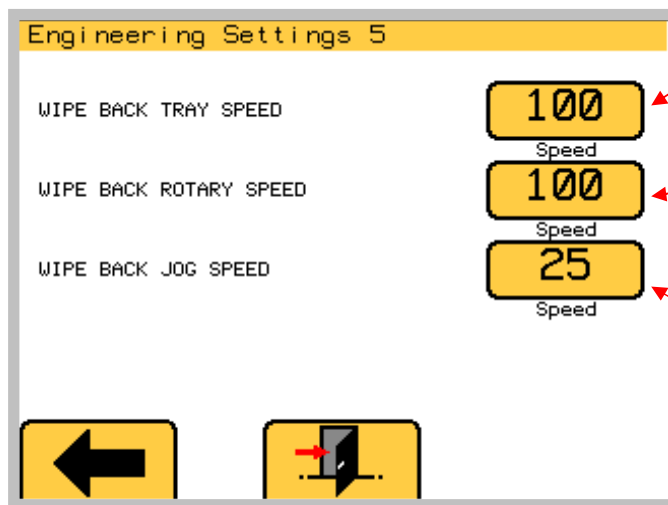
**DO NOT ATTEMPT TO MAKE ADJUSTMENTS UNLESS YOU ARE FULLY AWARE OF THE RESULTS**

# ENGINEERING SETTINGS (5)

9/5

THIS SECTION IS FOR TRAINED ENGINEERS ONLY

## WIPE BACK DEFAULT SETTINGS (SEE 5A )



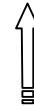
### TRAY SPEED



### ROTARY SPEED



### JOG SPEED

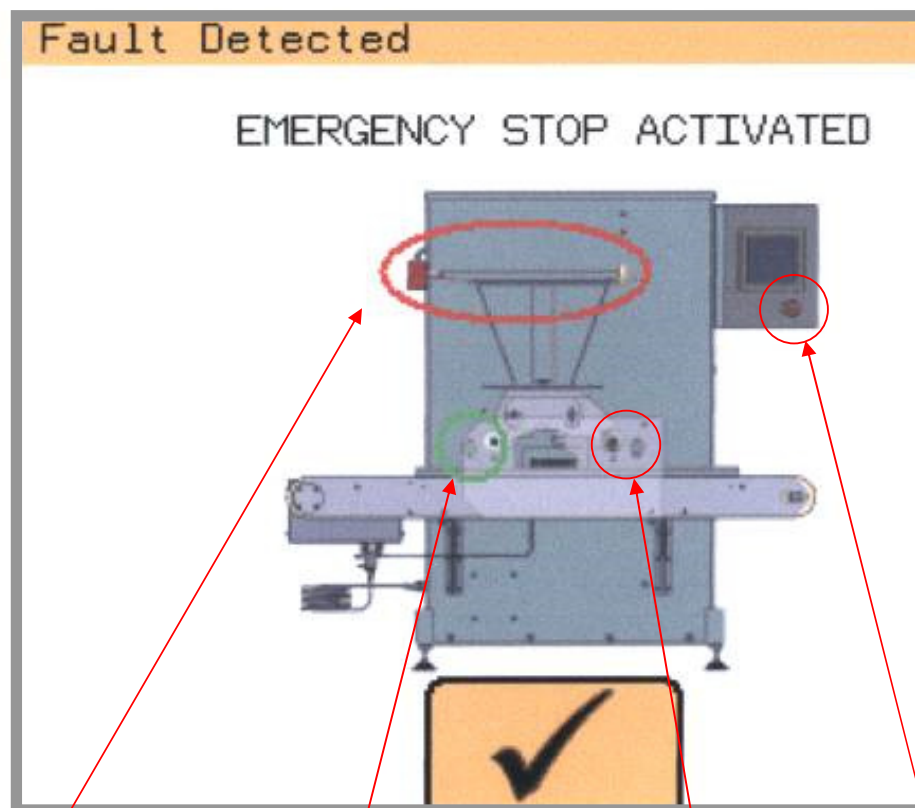


EXIT  
THIS SCREEN

GO TO PREVIOUS  
SCREEN  
**ENGINEERING SETTING 4**  
(PREVIOUS PAGE)

## CAUTION

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



HOPPER COVER

SAFETY BEAM

SAFETY BEAM


STOP BUTTON

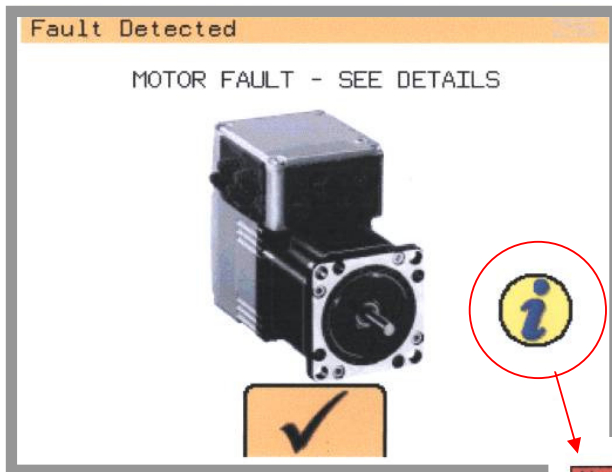
THIS SCREEN INDICATES A FAULT CONDITION IN THE SAFETY AREAS.

WHEN **RED**, CLOSE COVER OR CLEAR OBSTRUCTIONS TO CLEAR FAULT.

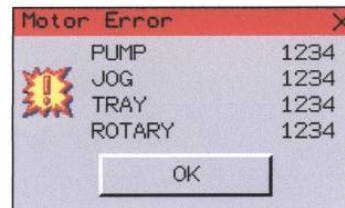
WHEN INDICATOR GOES **GREEN**, FAULT HAS BEEN CORRECTED AT THAT POSITION.

PRESS  BUTTON TO CLEAR SCREEN

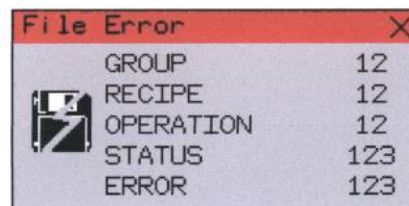
IF THE FOLLOWING SCREEN APPEARS, CHECK THAT THE TABLE MOVEMENT ETC. IS NOT JAMMED WITH SOMETHING. IF IT IS, CLEAR THE OBSTRUCTION AND PRESS  TO PROCEED.



PRESS THIS BUTTON IF MORE INFORMATION IS REQUIRED AS TO WHICH MOTOR IS AT FAULT



IF THE FAULT IS NOT OBVIOUS AND NOT ABLE TO BE CLEARED SAFELY, A SUITABLY TRAINED ENGINEER SHOULD BE CALLED



ERROR WHEN LOADING/SAVING RECIPE DATA TO HMI STORAGE CARD  
PLEASE CONTACT SERVICE DEPT. / ENGINEER IF PROBLEM PERSISTS



## 11.0 MAINTENANCE

Under most conditions the machine only needs to be kept clean and used as instructed in this manual.



**WARNING: DO NOT UNDER ANY CIRCUMSTANCES  
USE A WATER HOSE OR PRESSURE WASHER TO  
CLEAN THIS MACHINE.**

# Mono Omega Touch

## Check and Maintenance Schedule

Operation	Daily	weekly	3 monthly	Yearly
Clean depositor as per instructions in manual	*			
Check condition of supply lead and plug	*			
check fit of guards	*			
Clean under conveyor belts		*		
Check hopper seals		*		
Check end cap seals		*		
Check condition and tension of conveyor, adjust / replace as required			*	
Check end cap bearings			*	
check alignment of sensors on guards			*	
Check tray sensor is secure			*	
Check condition of idle roller bearings				*
Check condition of drive shaft bearings				*
Check condition and tension of chain and grease as required				*
Grease slides as required				*
adjust eccentric guide rollers as required				*
adjust concentric guide rollers as required				*
Check and grease all slide plates as required				*
Check all motor mounts are tight				*
inspect electrical connections and tighten as required				*

**Under no circumstances should maintenance or cleaning of this machine be done with the power connected**

**12.0****SPARES AND SERVICE**

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

**UK SERVICE, SPARES and OVERSEAS SUPPORT:**

Queensway  
Swansea West Industrial Estate  
Swansea. SA5 4EB UK

**email:**[spares@monoequip.com](mailto:spares@monoequip.com)  
**Web site:**[www.monoequip.com](http://www.monoequip.com)

**Spares Tel. +44(0)1792 564039**

**Main Tel. +44(0)1792 561234**

**Fax. 01792 561016**

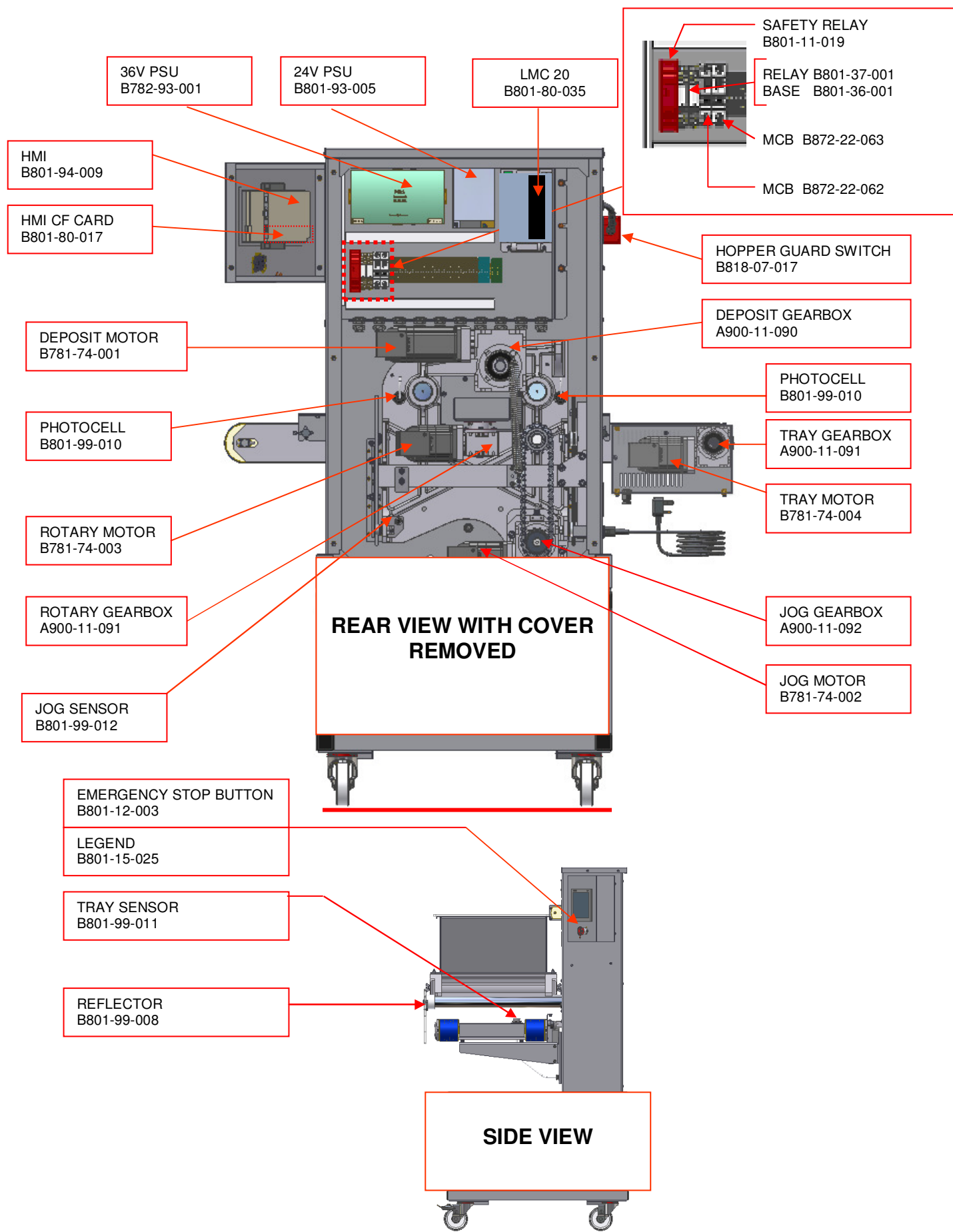


## 13.0 SPARES

# TOUCH VERSION

# ELECTRICAL COMPONENT LAYOUT PARTS

Omega Touch



# MECHANICAL COMPONENT LAYOUT PARTS

Omega Touch

DEPOSIT DRIVE SHAFT SEAL  
A900-12-079

V-SLIDE  
M078-03-00016

IDLE SPROCKET  
A900-07-072

BEARING-  
DRIVE SHAFT  
A900-06-277

V-ROLLER  
CONCENTRIC-A900-06-274  
ECCENTRIC – A900-06-273

CHAIN  
A900-08-066

SWIVEL CASTOR  
A900-20-002

DRIVE SPROCKET  
A900-07-071

ROTARY DRIVESHAFT SEAL  
A900-12-075

RUBBER FOOT  
A900-18-006

LOCKING CASTOR  
A900-20-043

PLAIN ROLLER  
A900-06-136

BEARING – IDLE ROLLER  
A900-06-261  
NYLON WASHER – IDLE ROLLER  
A900-05-210

CONVEYOR BELT  
A900-22-120

THUMBSCREW  
P700-04-018

REAR VIEW WITH COVER  
REMOVED

REAR VIEW WITH  
COVER REMOVED



## **BASE MACHINE SPARES LIST**

<b>Spares Item Description</b>	<b>Mono Part No.</b>	<b>Qty Req. per M/C</b>
Deposit Gearbox	A900-11-095	1
Jog Gearbox	A900-11-092	1
Rotary Gearbox	A900-11-091	1
Tray Gearbox	A900-11-091	1
Concentric Guide Roller	A900-06-274	2
Eccentric Guide Roller	A900-06-273	2
Slide Plate	078-03-00016	2
Jog Drive Chain	A900-08-066	1
Simplex Sprocket 16T 1/2" Pitch	A900-07-071	1
Idler Sprocket 16T 1/2" Pitch	A900-07-072	1
Circlip-Ext Metric 14mm Dia	A900-01-280	1
Circlip-Ext Metric 24mm Dia	A900-01-193	1
Drive Shaft – Hopper	078-03-00015	1
Rotary Drive Shaft	078-03-00011	1
Drive Gear - Rotary Template	078-03-00010	1
Lip Seal (Rotary Drive Shaft)	A900-12-075	1
Lip Seal (Deposit Drive Shaft)	A900-12-079	1
Top Guard 400mm/450mm Hopper	078-09-00005	1
Top Guard 580mm Hopper	078-09-00044	1
End Guard	078-11-00001	1
Retainer – End Guard	078-11-00002	2
Spacer - 450/580mm Hopper	078-11-00003	1
Spacer – 400mm	078-11-00004	1
Seal-Rear Cover	A900-25-309	1

# HARD DOUGH HOPPER PARTS

Omega Touch

## HOPPER FABRICATION

### STANDARD CAPACITY

M078-09-00086 (400mm)  
M078-09-00042 (450mm)  
M078-09-00089 (580mm)

### EXTENDED CAPACITY

M078-09-00087 (400mm)  
M078-09-00088 (450mm)  
M073-09-00092 (580mm)

WINGNUT  
A900-04-147

UPPER END BLOCK  
(DRIVEN SIDE)  
M078-09-00037

### DRIVE ROLLER

M078-09-00066 (400mm)  
M078-09-00060 (450mm)  
M078-09-00074 (580mm)

### TEMPLATES

ROTARY  
■ SMALL BORE  
■ LARGE BORE  
STANDARD  
■ SMALL BORE  
■ LARGE BORE  
DIE  
SHEETING

### DRIVEN ROLLER

M078-09-00067 (400mm)  
M078-09-00061 (450mm)  
M078-09-00075 (580mm)

LOWER END BLOCK  
(DRIVEN SIDE)  
M078-09-00035

THUMBSCREW  
M078-09-00043

UPPER END BLOCK  
(DRIVE SIDE)  
M078-09-00036

LOWER END BLOCK  
(DRIVE SIDE)  
M078-09-00034

# SOFT DOUGH HOPPER PARTS

Omega Touch

## HOPPER FABRICATION

### STANDARD CAPACITY

M078-09-00008 (400mm)  
M078-09-00001 (450mm)  
M078-09-00046 (580mm)

### EXTENDED CAPACITY

M073-09-00200 (400mm)  
M073-09-00202 (450mm)  
M073-09-00203 (580mm)

WINGNUT  
A900-04-043

### HOPPER SEAL

A900-12-083 (400mm)  
A900-12-084 (450mm)  
A900-12-085 (580mm)

### DRIVEN GEAR

M073-09-00702 (400mm)  
M073-09-01602 (450mm)  
M073-09-01702 (580mm)

WINGNUT  
A900-04-147

END CAP BUSH  
M073-09-00600

END CAP SEAL  
A900-12-074

### DRIVE GEAR

M073-09-00700 (400mm)  
M073-09-01600 (450mm)  
M073-09-01700 (580mm)

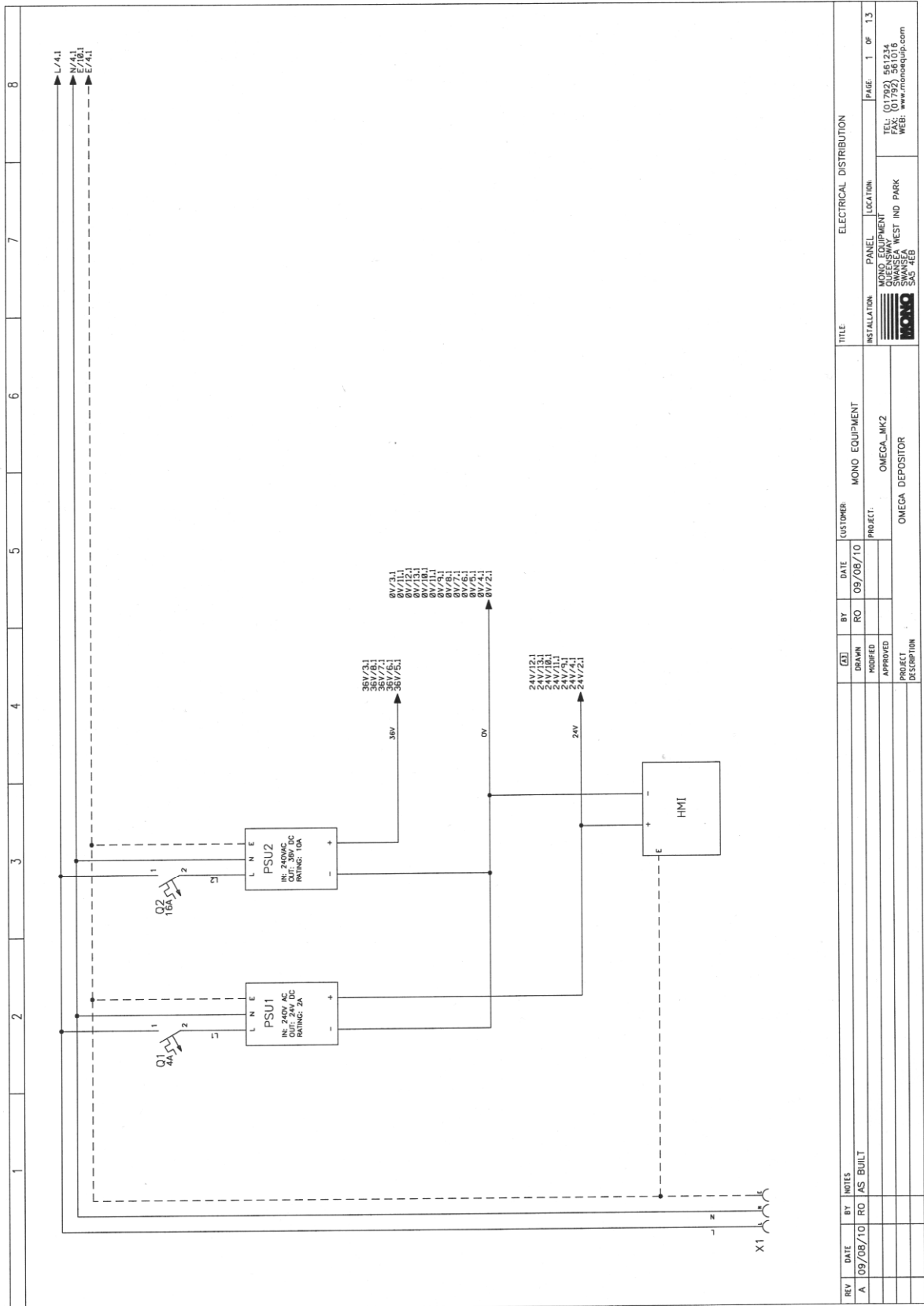
### TEMPLATES

ROTARY  
STANDARD  
DIE  
STAGGERED  
SHEETING  
■ NON-DRIP  
■ MULTI SHEETING  
INJECTION



## **14.0 ELECTRICAL INFORMATION**

### **TOUCH VERSION**







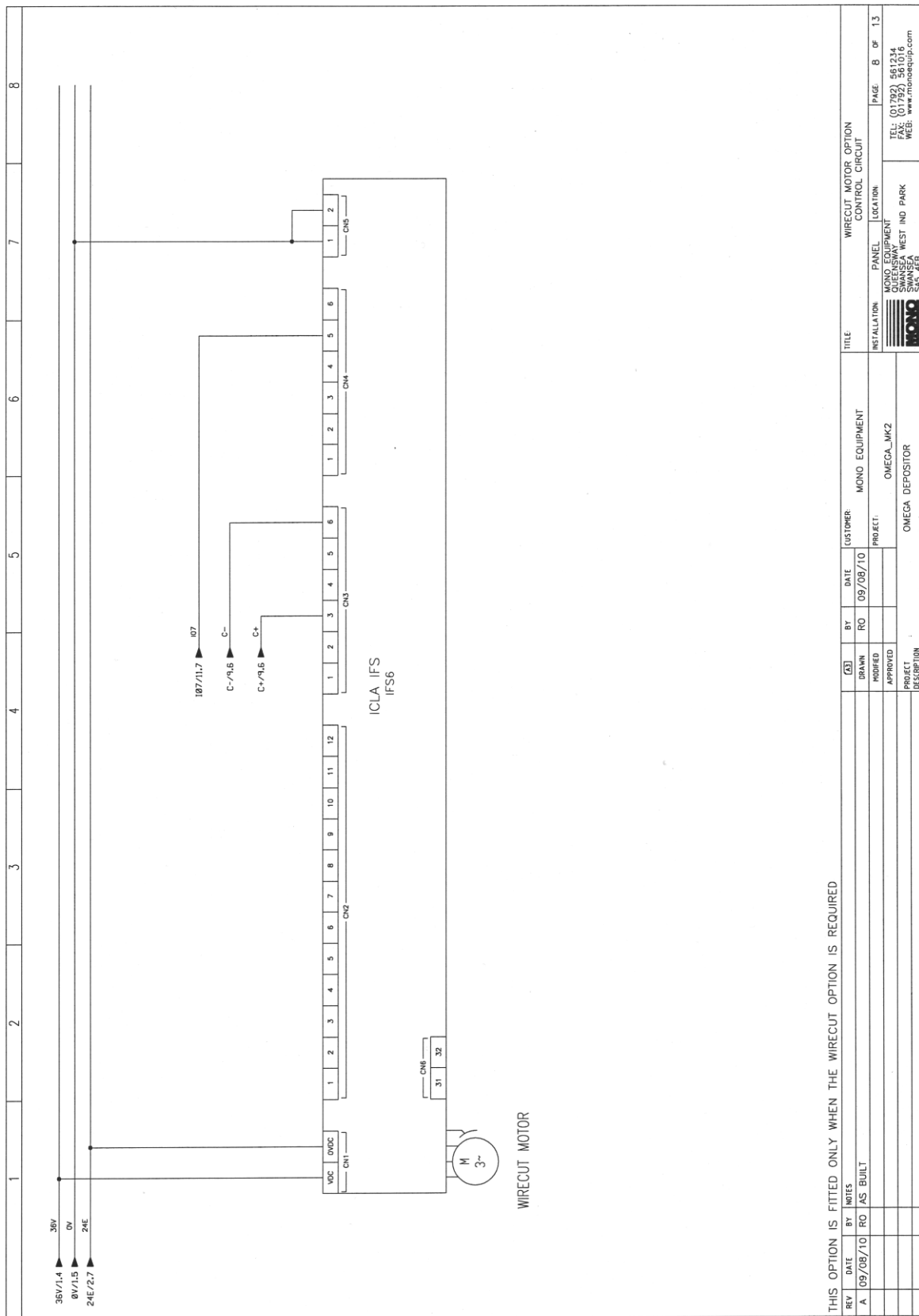






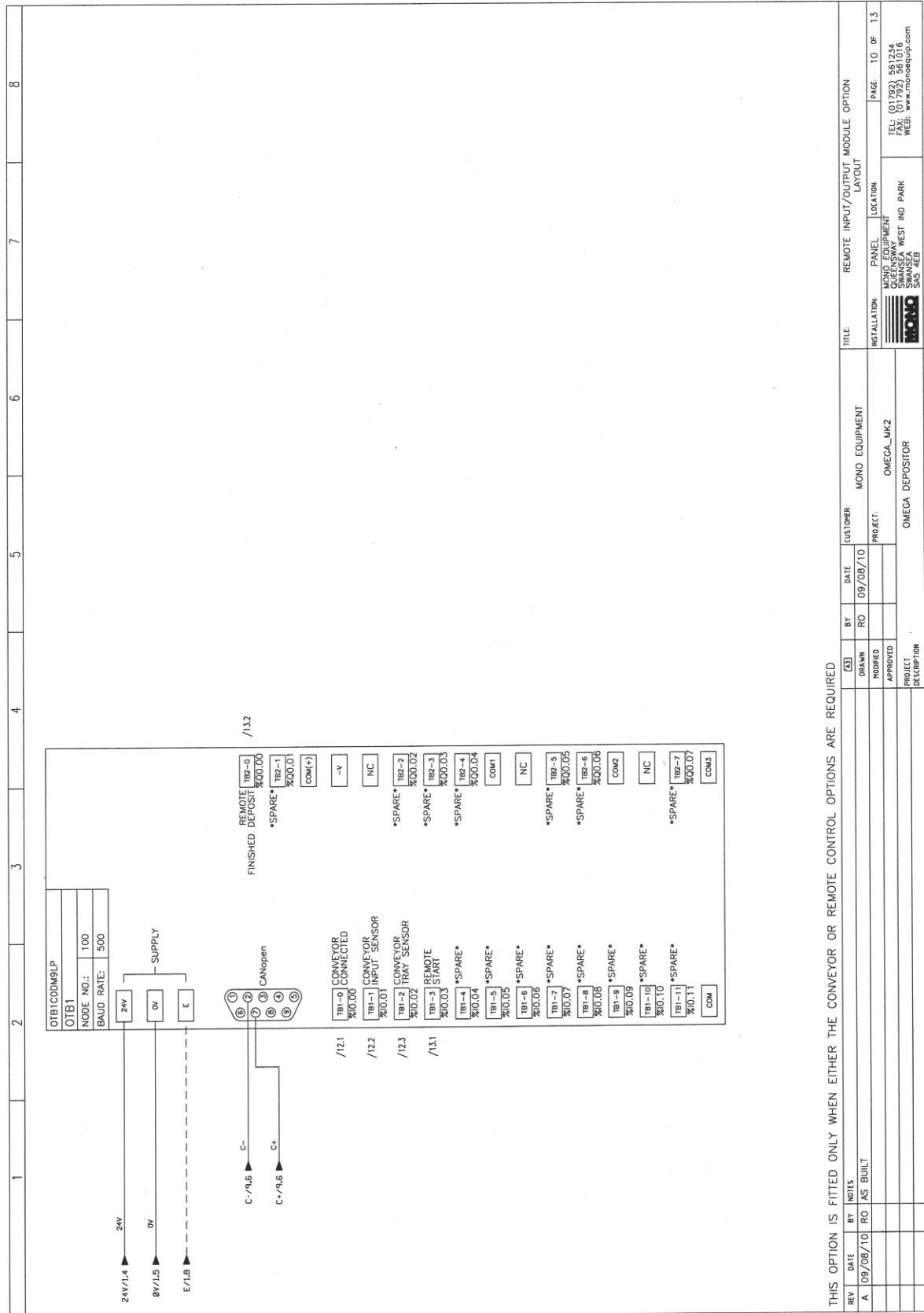


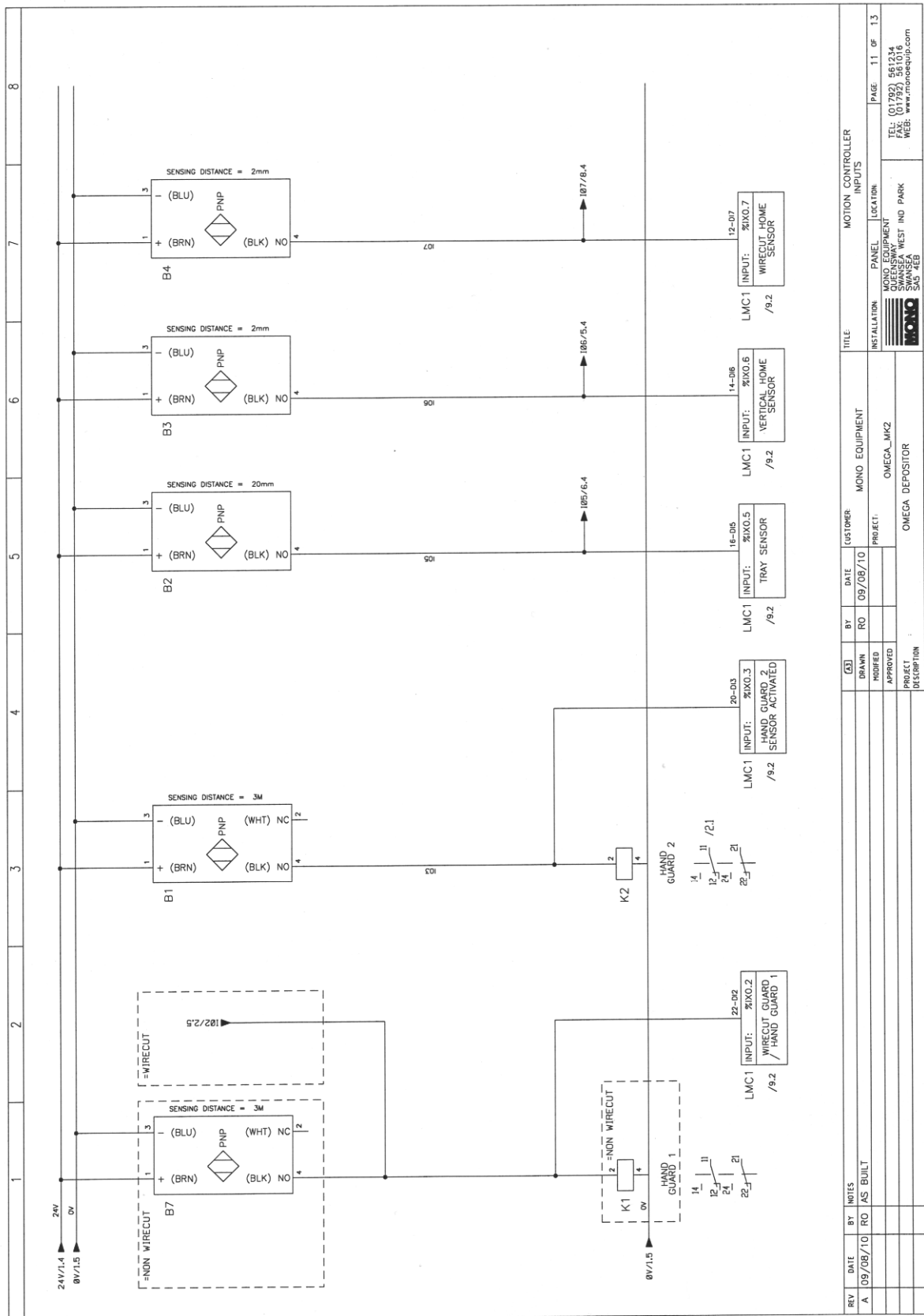




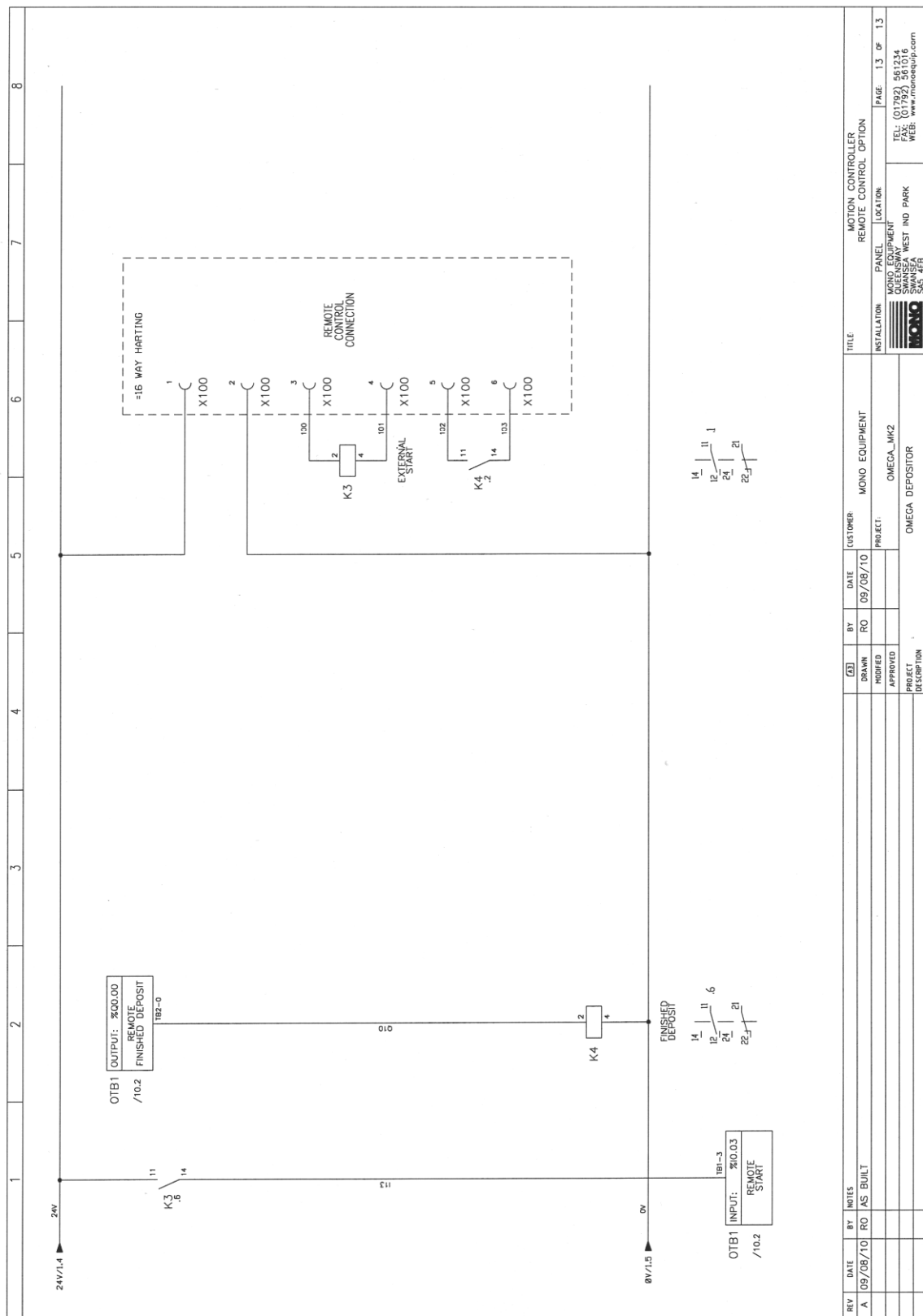












The equipment mentioned in this manual has CE accreditation.

As it is our policy to improve our machines continuously, we reserve the right to change specifications without prior notice



**Omega Touch**



Queensway,  
Swansea West Industrial Estate,  
Swansea.  
SA5 4EB  
UK

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

Email: [marketing@monoequip.com](mailto:marketing@monoequip.com)

**Web site: [www.monoequip.com](http://www.monoequip.com)**

#### ▪ **DISPOSAL**

Care should be taken when the machine comes to the end of its working life. All parts should be disposed of in the appropriate place, either recycling or other means as the law permits at the time.