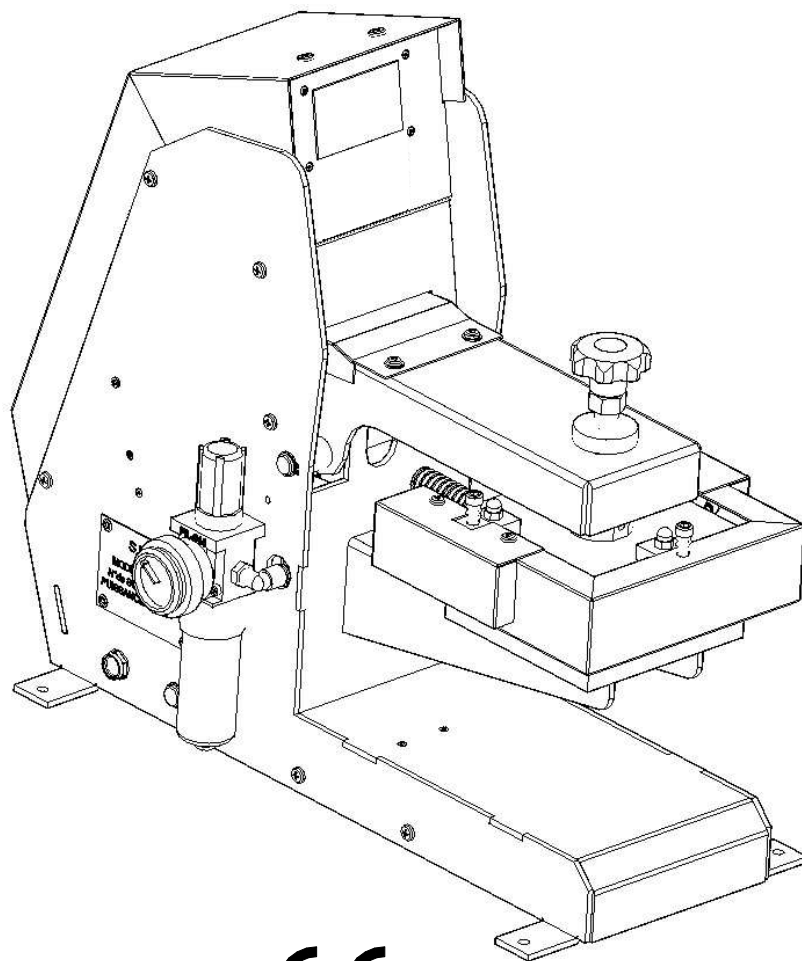


INSTRUCTION MANUAL

LP 130 T



S.E.F.A.[®]
Z.I PASTABRAC - B.P 44
11260 ESPERAZA
FRANCE

Tel: 33 (0)4.68.74.05.89 - **Fax:** 33.(0)4.68.74.24.08

www.sefa.fr

E Mail: contact@sefa.fr

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I. GUARANTEE CONDITIONS

- ◇ The guarantee period begins on the day of commissioning on the user's premises and remains in force for one year, or 2000 hours.
- ◇ The guarantee is strictly limited to SEFA equipment and covers defects in materials and failures in performance. It is the purchaser's responsibility to show the said defects and failures.
- ◇ Our liability is limited to the commitment to repair or replace free of charge any parts recognised by SEFA as being faulty. No claims will be accepted for compensation for any reason whatsoever.
- ◇ Parts replaced under guarantee conditions:
 - Remain our property,
 - Are subject to a deposit invoice,
- ◇ A credit note cancelling this invoice will be drawn up as soon as any faulty parts have been returned. Returns must be made ONE MONTH AT THE MOST after the guarantee intervention.
- ◇ **THE GUARANTEE DOES NOT COVER:**
 - Perishable commercial supplies such as fuses, bulbs, transformers, seals, flexible hoses, coverings, etc
 - As these supplies are not a part of our own manufacture, they are covered by their manufacturer's guarantee.
- ◇ **THE GUARANTEE DOES NOT APPLY:**
 - To replacements, or repairs resulting from normal wear on apparatus and machines, accidental damage due to negligence, poor servicing, poor use, or any modifications made without our written permission.
 - In the event of any defect resulting from material supplied by the purchaser, or any design may have been imposed by the purchaser.
 - To repairs resulting from damage or accidents that have occurred during transport.
 - To servicing and setting operations inherent to using the machine and indicated in the servicing instructions, such as setting intermediates, tightening piping, etc. ...



For pneumatic machines, any traces of detergent oil in the compressed air circuit inhibit the aforementioned guarantee conditions.


For any technical information or spare parts order, please give the machine reference and serial number.

II. CHARACTERISTICS

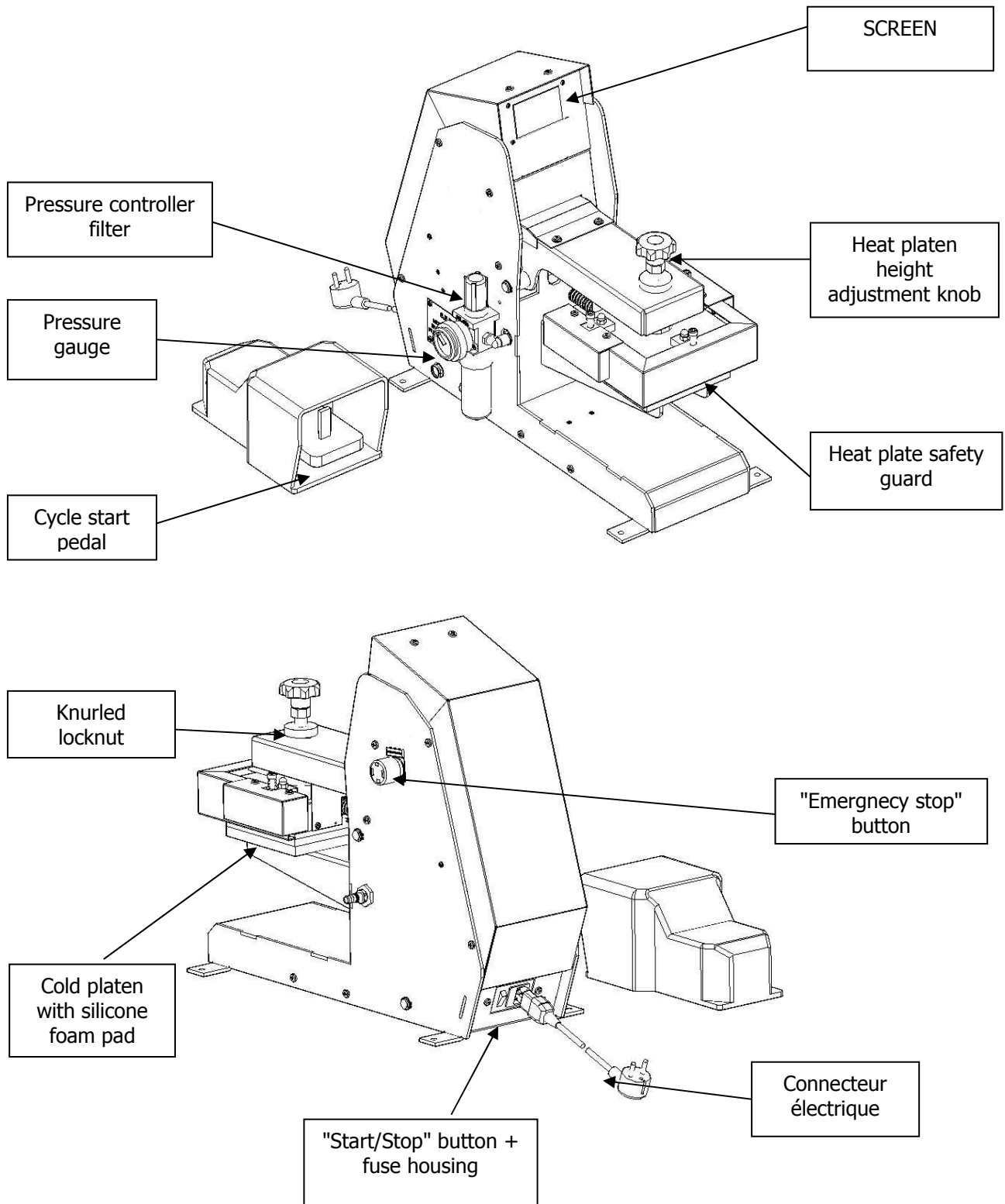
Weight in running order	15Kg
Height	472 mm
Depth	544 mm
Width	246 mm
Dimension of the heating plate	130 x 130 mm
Electric power supply	230 V Single phase + earth 50/60 Hz
Power	400 W
Amperage	5 A
Thermoregulator	
Accurate to	+/- 1
Range of control	0 to 250 °C
Timer	
Accurate to	+/- 1%
Range of control	0s to 30 min
Operating pressure	Min. 2 bar – Max. 10 bar

Non-contractual document: Depending on technical evolutions, we reserve full rights to modify the characteristics of our products.

Certain of the characteristics are marked on the identification plate to be found on the machine.

S.E.F.A ®	
Z.I PASTABRAC	
11 260 ESPERAZA – (France)	
Tel : +33.(0)4.68.74.05.89	Fax : +33(0)4.68.74.24.08
MODELE	<input type="text" value="A."/>
N° de Série	<input type="text" value="B."/>
PUISSANCE	<input type="text" value="C."/>
CE	Année de Fab. <input type="text"/>
Made in France. 	

III. GENERAL



This heat press complies with Article L 233-5 of the labour code concerning guarantees on operator safety. It is designed for intensive production with total reliability.

The press has been designed for use with an operator positioned at a work station opposite the machine.

IV. UTILISATION

The LP 130 T press has been designed for applying transfers of any quality in medium or large runs. The equipment has been tested in our works for a full year's guarantee against any manufacturing defects.

Electrical and mechanical adjustments carried out on the machine by our technicians in our works, as well as any safety devices that may have been fitted must not be modified under any circumstances whatsoever. Otherwise, the S.E.F.A® company will refuse all liability for any possible problems related to the machine in question.

Before beginning any pressing operation, we recommend that the safety instructions and user manual be read thoroughly.

The press must only be used by an authorised person who has been informed of any risks liable to arise through incorrect use of the equipment.

A. SAFETY

THIS UNIT IS DESIGNED FOR USE BY A SINGLE OPERATOR

TO BE CARRIED OUT BY QUALIFIED PERSONNEL

1. International symbols



2. Important safety precautions



Avoid touching any hot parts of the machine during use.



During handling operations, make sure that the operator is not subjected to any risks in terms of burns, electrocution, etc.



Inspect the machine daily before beginning production.



Make sure that there is nobody in the vicinity of the machine before starting up



If the machine does not work correctly, disconnect the energy supply immediately, and search for the reason by referring to the "Maintenance" chapter in the manual.

3. SAFETY DEVICES PRESENT ON THE MACHINE:



Safety devices must not be modified. They must be refitted if ever they are removed for maintenance purposes.

They must be kept in position and in good running order when the machine is in normal operation.

The LP 130 T press is equipped with safety systems that protect the operator against any risk of parts of the body getting trapped.

The main safety elements are:

a) Emergency stop button

Located on the right-hand side of the machine. Switches the machine off when pressed.

b) After an emergency stop:

Check for other unresolved problems.

Turn the red button to release the emergency stop. The machine will be reset automatically.

c) Safety guard

Located on the heat plate. When actuated, the platen arm rises automatically.

d) After operating the safety guard:

A beep will sound and the fault will be shown on the screen.

Press the "reset" button on the touch screen to reset the machine.

e) Safety system checks:

Test the emergency shut-off at regular intervals.

Check the safety guard daily.

4. Instructions and manuals

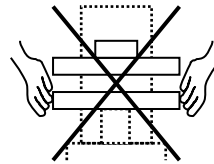
Technical parts documents are supplied with the machine. Please read them before starting to use your SEFA machine.

B. INSTALLATION

TO BE CARRIED OUT BY QUALIFIED PERSONNEL

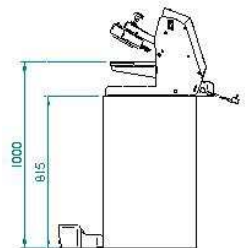


Do not hold the machine by the platens!



- ◇ Remove the machine from its packaging.
- ◇ Hold the machine by its frame and place it on a stable table.
- ◇ Recommended table height for comfortable operation: 815 mm
- ◇ With the equipment correctly positioned at the point of use:

- Plug in the press (220 Volt + Earth / 50 or 60 Hz).
- Connect the press to your compressed air supply (min. 3.5 bar, max. 10 bar).

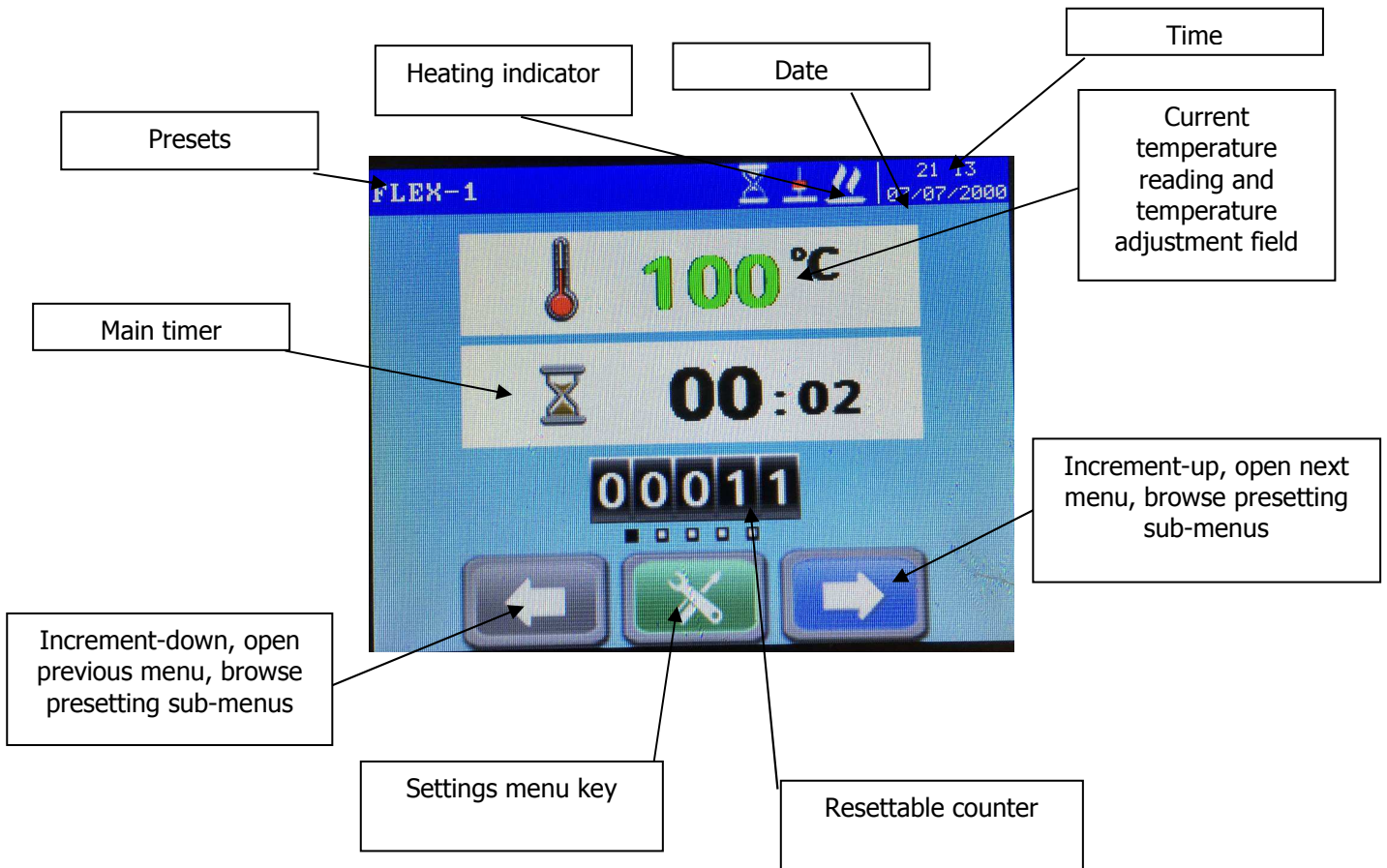


C. OPERATING CYCLE DESCRIPTION

1. Switch the machine on using the main switch located on the back of the chassis (the screen lights up and shows the values preset in our works after the welcome message)
2. Adjust the temperature to suit the type of transfer, See SETTING § V.A.1
3. Set the pressing time to suit the type of transfer, see SETTING § V.A.2
4. Adjust the pressure (refer to the pressure gauge) using the controller on the left-hand side
5. Adjust the height of the heat platen if necessary to suit the transfer carrier, see SETTING § V.C
6. Place the substrate on the lower platen
7. Position the transfer sheet correctly
8. Depress the foot pedal to lower the heat platen into position
9. The timer will start when the platen is pressed against the substrate
10. The buzzer will sound when the timer has finished to indicate that the platen is about to lift open
11. The heat platen will lift open automatically
12. Recommence the operation from stage 6 if the settings do not need to be changed (otherwise start at stage **Erreur ! Source du renvoi introuvable.**)

V. SETTING THE PRESS

A. CONTROL PANEL

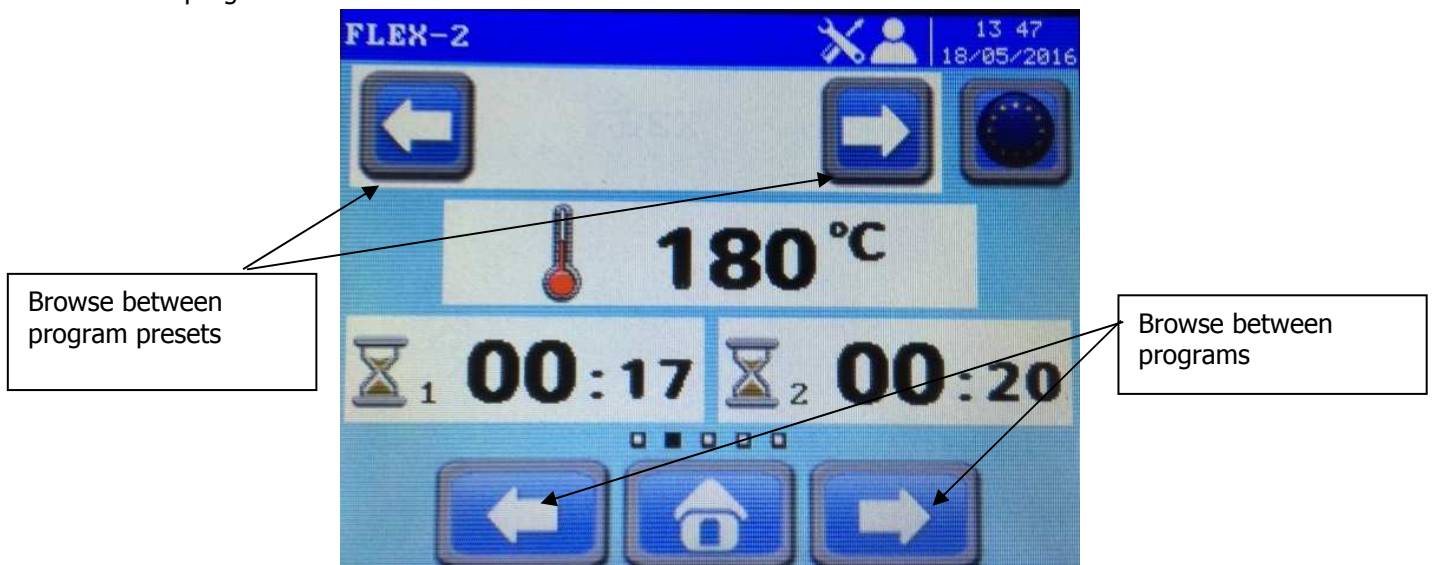


B. OPERATION

Presets

This menu contains nine pre-saved operating programs; up to five presets can be assigned to each program by entering the required setpoints.

The operating programs must be suited to the processes you use. The temperature adjustment system is fine-tuned for each program.

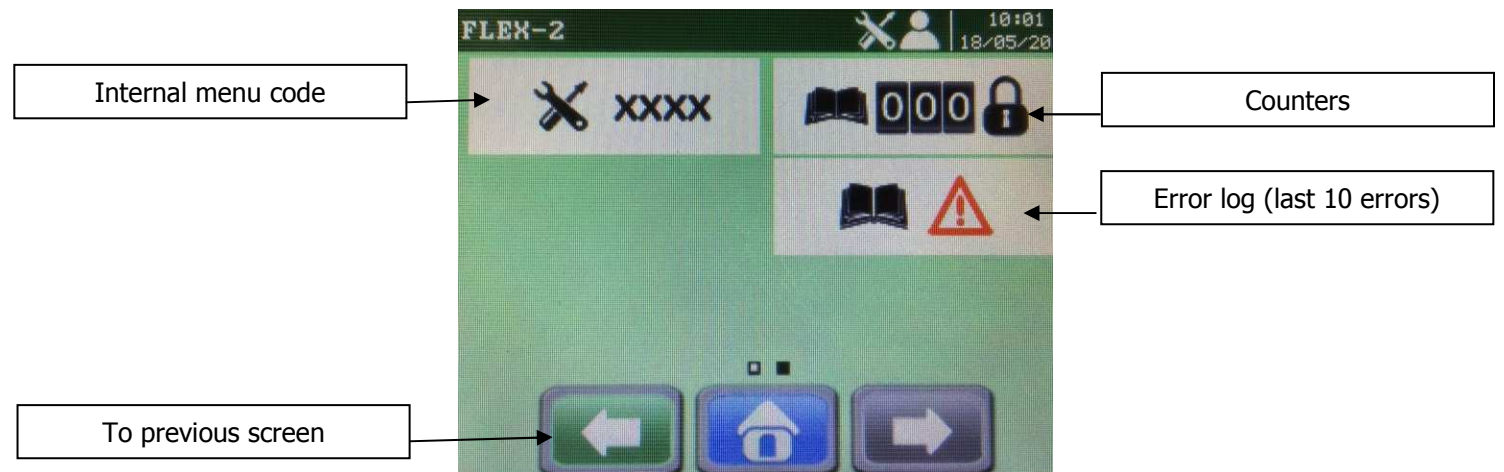


Available programs:

- Customised: the system applies the user-defined settings keyed in at the control panel
- Flex: for applying flex and flock
- DTG 1: for drying pre-treated materials
- DTG 2: for pressing pre-treated materials
- SUBLI T: for sublimation printing on textiles
- SUBLI R: for sublimation printing on rigid materials
- SCREEN: for applying screen transfers
- LASER: for applying laser transfers
- QUICKFLEX: for applying flex in under 5 seconds

Settings menus

Press the green key in the centre of the screen to open the settings.
Click to access the required menu.
Press the arrow in the bottom centre of the screen to exit.



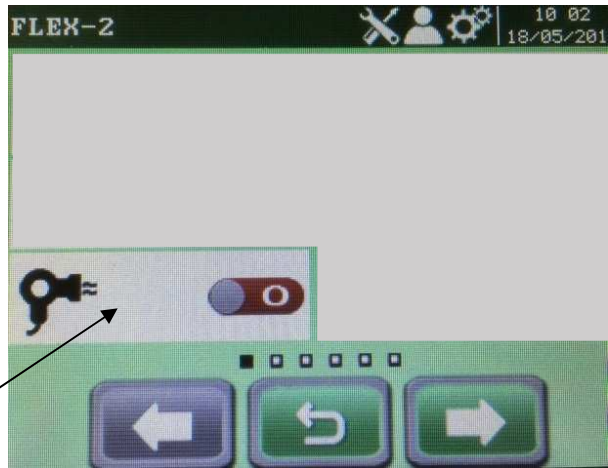
Sleep mode

Sleep mode keeps the machine temperature at a certain level for a certain length of time



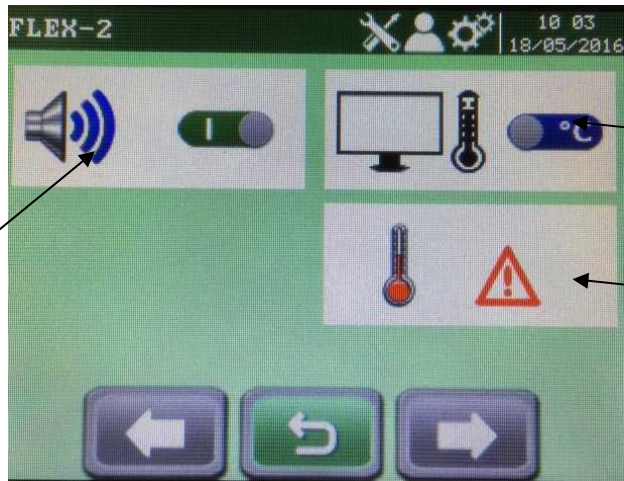
Machine settings

Enable drying mode
The drying time is set at the control panel with the pressing time setpoint



User comfort settings

Enable/disable buzzer



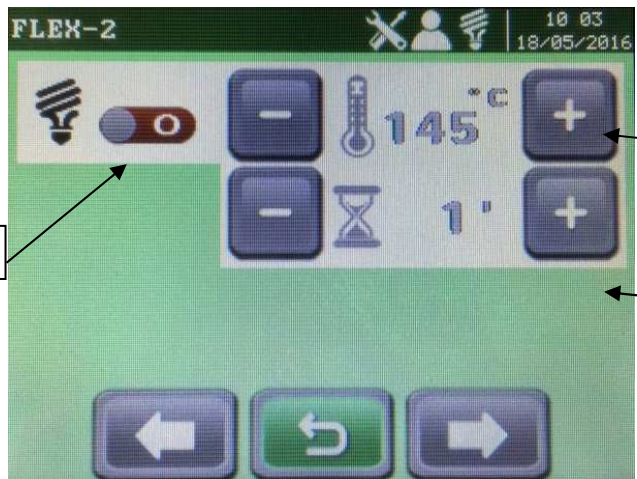
°C / °F

Machine operating temperature range

Energy saving mode

Energy saving mode reduces the machine temperature to the set temperature when the defined idle time has elapsed.

On/off



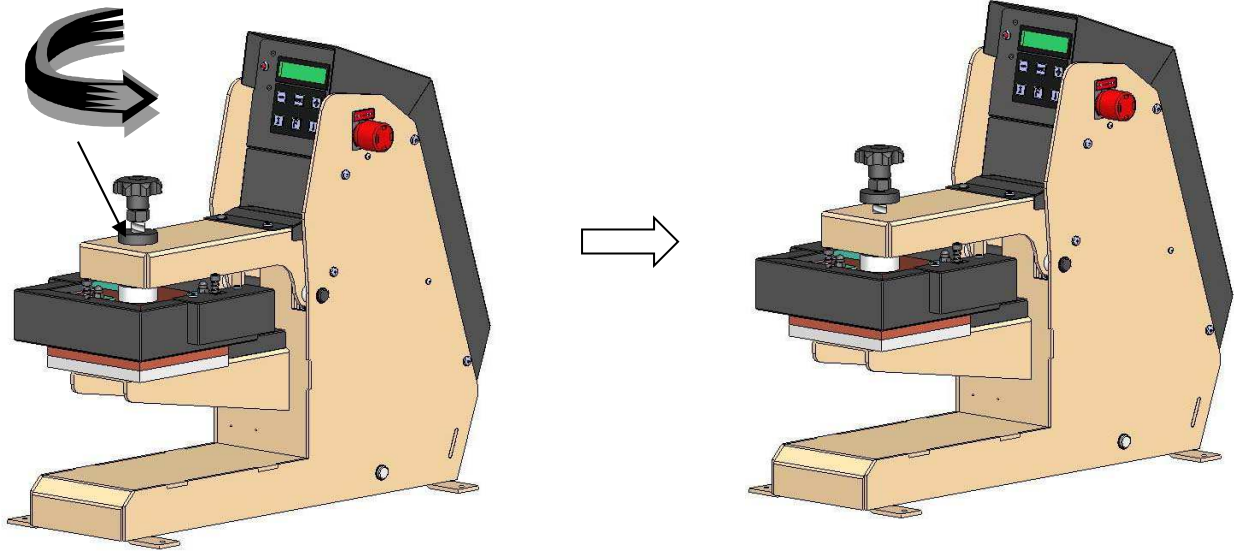
Temperature

Time

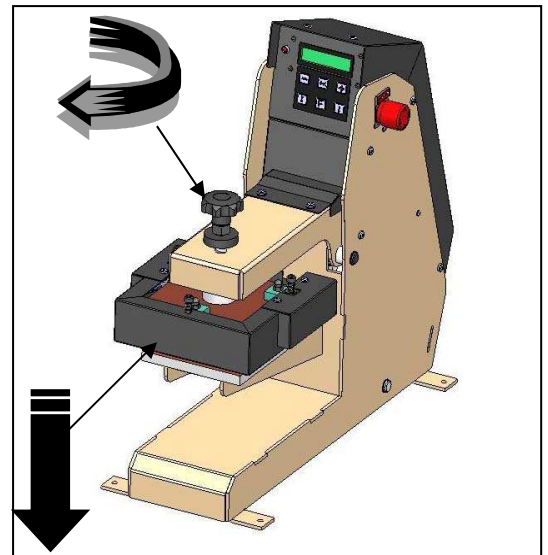
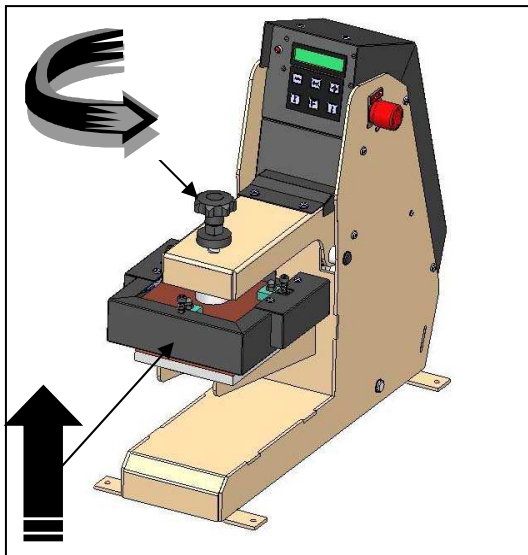
C. ADJUSTING THE HEIGHT OF THE HEAT PLATEN

The height of the heat platen can be adjusted according to the thickness of the imprintable substrate. The maximum gap setting between the heat platen and the cold platen is 20 mm in the working position.

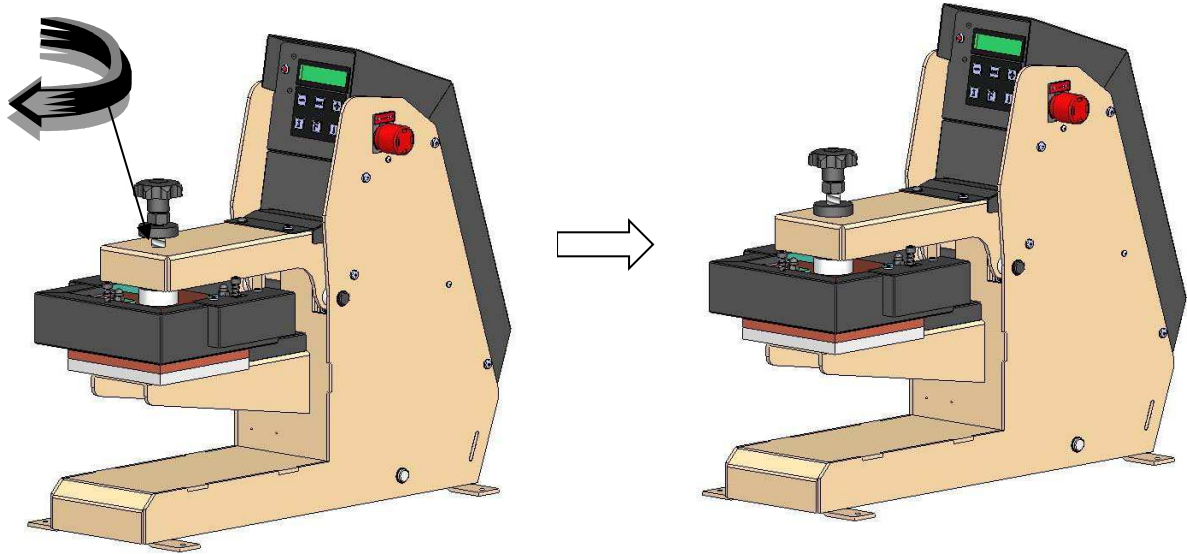
1. LOOSEN THE PLATEN LOCKNUT



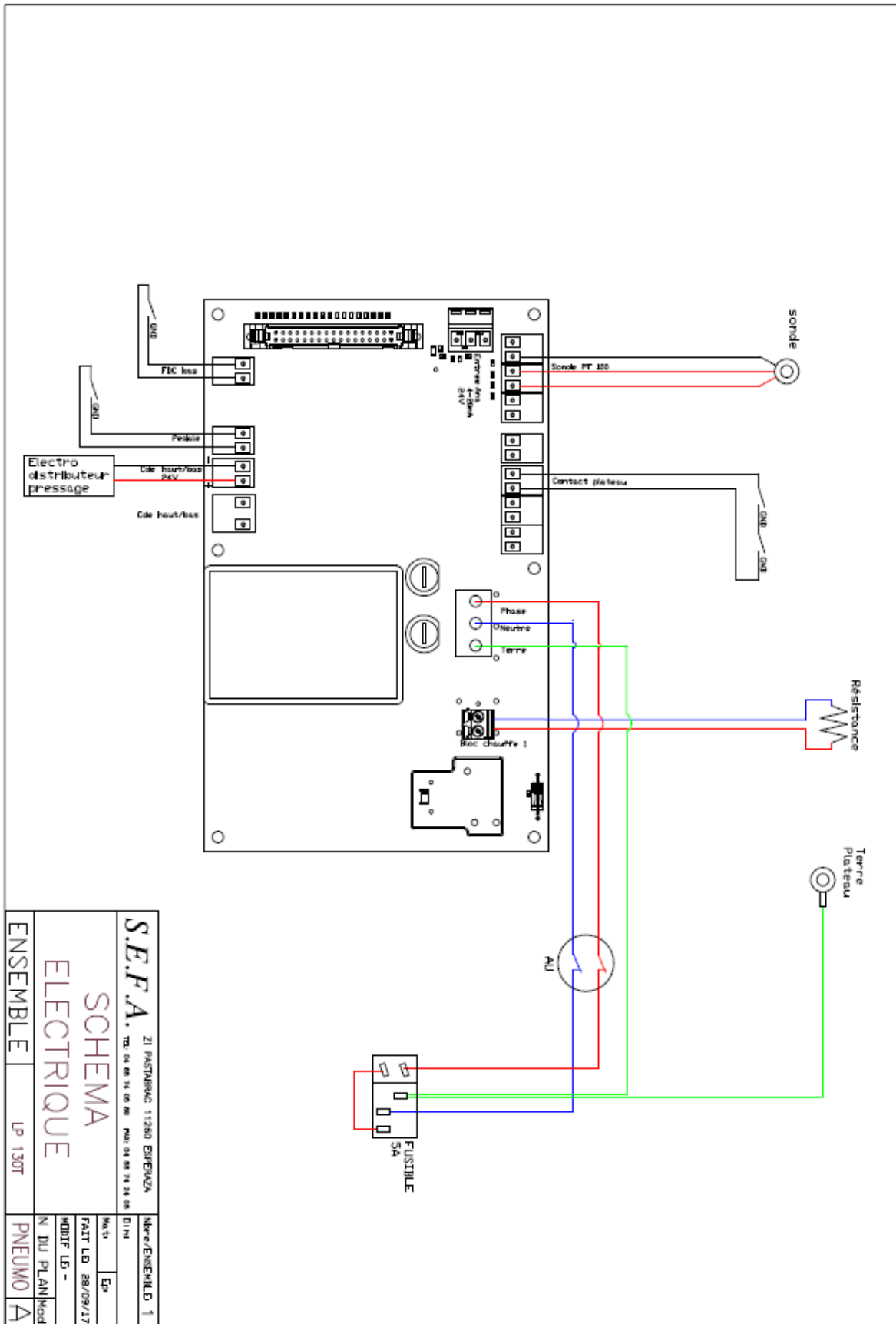
2. ADJUST THE HEIGHT OF THE HEAT PLATEN



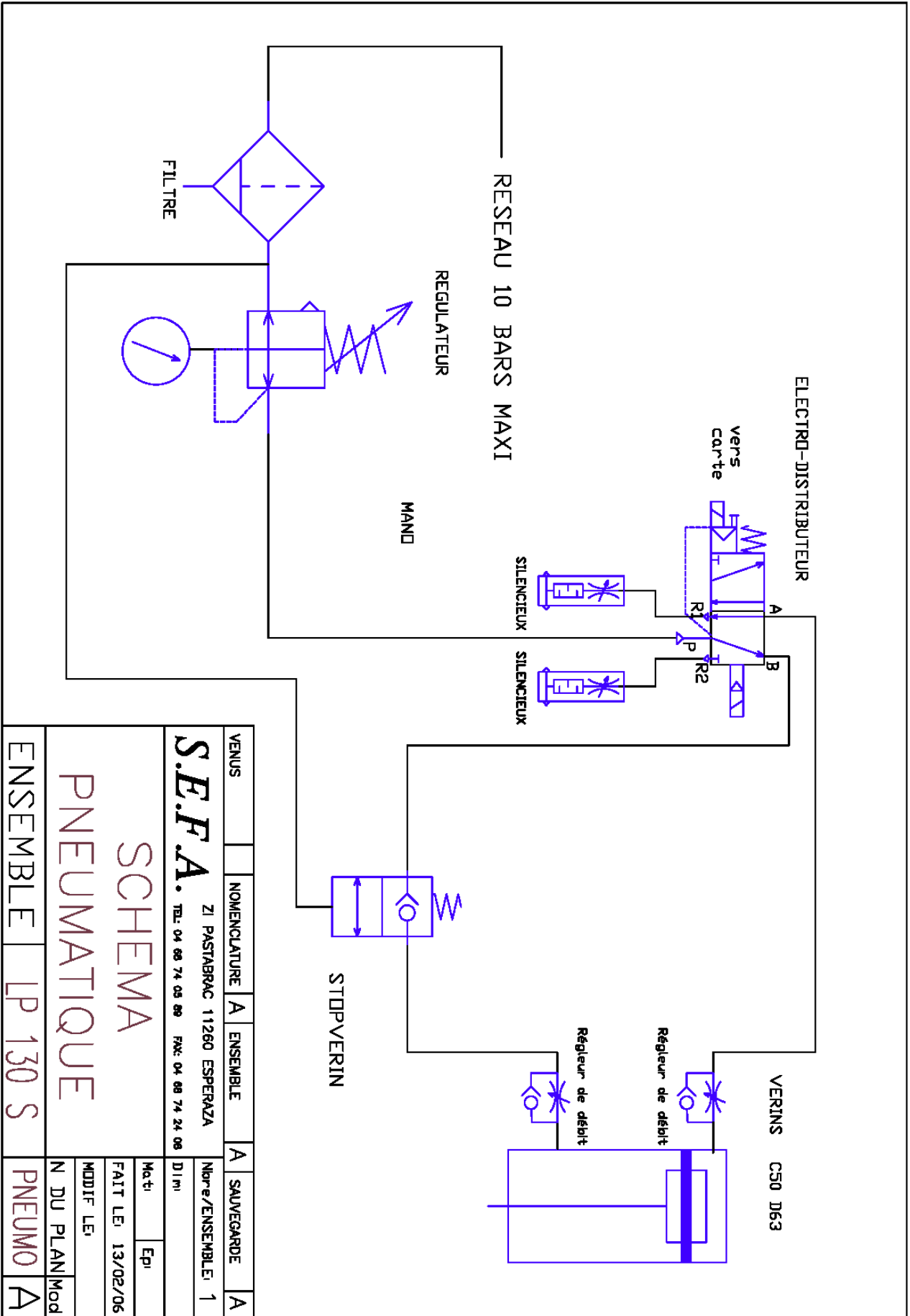
3. TIGHTEN THE PLATEN LOCKNUT



VI. WIRING DIAGRAM

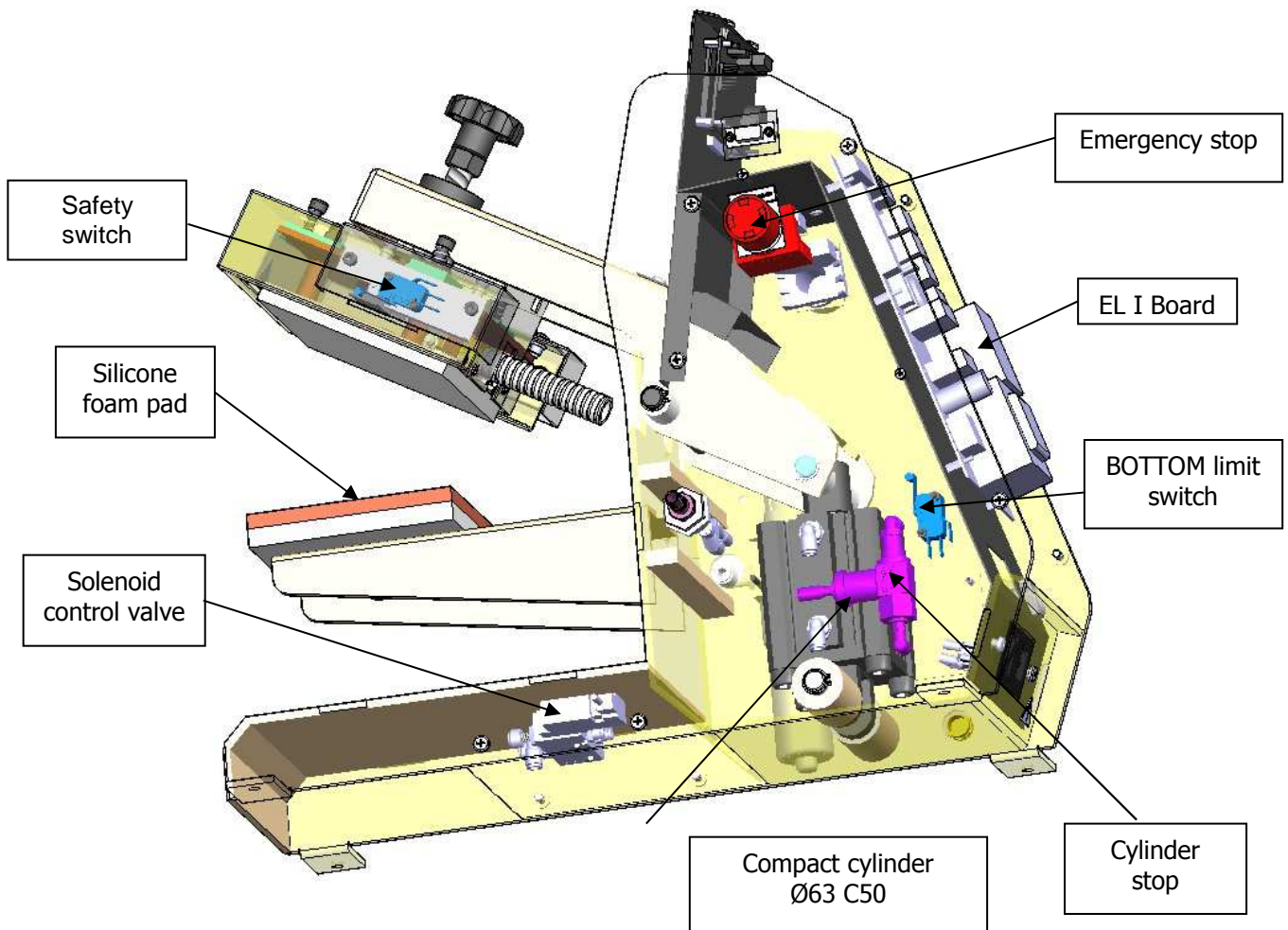


VII. PNEUMATIC DIAGRAM



VENUS	NOMENCLATURE	A	ENSEMBLE	A	SAUVEGARDE	A
S.E.F.A.						
ZI PASTABRAC 11260 ESPERAZA						
TEL: 04 68 74 05 88 FAX: 04 68 74 24 08						
SCHEMA						
PNEUMATIQUE						
ENSEMBLE	LP 130 S				PNEUMO	A
Ma ti		Epi				
FAIT LE: 13/02/06						
MODIF LE:						
N DU PLAN		Mod				

VIII. PARTS LAYOUT



IX. MAINTENANCE

TO BE CARRIED OUT BY QUALIFIED PERSONNEL

**ALL MAINTENANCE INTERVENTIONS MUST BE CARRIED OUT WITH THE MACHINE AT A STANDSTILL
AND ALL ENERGY SUPPLIES SWITCHED OFF
(ELECTRICAL SUPPLY DISCONNECTED)**

The following tools should be available at hand:

- ◇ Flat-blade screwdriver
- ◇ Phillips screwdriver
- ◇ Set of open-ended spanners and box spanners
- ◇ Small water pump pliers
- ◇ Circlip pliers
- ◇ Needle-nose pliers with insulated handle
- ◇ Set of Allen keys



Always make sure the temperature of the heat platen is below 25°C before handling.

A. WEAR PARTS

When ordering: always quote the reference, part name and quantity

Reference	Part name	Quantity
ELECTRICAL PARTS		
CAR-EL I	EL I CONTROL BOARD	1
AFF-EL 3"5	TOUCH SCREEN	1
RES-565	MICA HEATING ELEMENT 100x100 400 WATT	1
FUS-144	FUSE 5 x 20 mmT 5A 250 V	2
COM-355	COMBI-SWITCH	1
SON-PT100 3V	TEMPERATURE PROBE	1
CON-120	OPEN CONTACT	2
PED-279	PEDAL	1
FIN-231	SAFETY LIMIT SWITCH	3
PNEUMATIC PARTS		
VER-719	CYLINDER Ø63 C50	1
FIL-174	PRESSURE REGULATING FILTER	1
STO-097	CYLINDER CUT-OFF	1
ELE-SM8	SOLENOID CONTROL VALVE 5/2 G1/8	1
PRESS COVERINGS		
MOU-008	FOAM 9 mm	130 x 130 mm

B. REPLACING WORN PARTS

1. Silicone foam pad

- ◇ *Check that the platen is cold.*
- ◇ *Make sure the surface of the platen is clean. The surface can be cleaned using a mild solvent such as isopropyl alcohol. The requisite personal protective equipment must be worn.*
- ◇ *Use RTV-1 glue to stick the foam pad to the aluminium platen (NB: read the instructions for use on the packet).*
- ◇ *The pad and the platen must be clean and dry before they are stuck together.*
- ◇ *Apply a thin layer of glue evenly over the platen and then stick the pad immediately into place, making sure there are no air bubbles trapped between the platen and the pad (NB: a notched adhesive comb of the type used for floor tiling is entirely suitable for this purpose).*
- ◇ *Leave to set overnight at room temperature with a slight pressure applied and the platen cold.*

2. Other parts

Contact your stockist to determine whether they need to be renewed or repaired.

C. SERVICING

S.E.F.A ® hot presses require practically no servicing. To check that the machine runs correctly, carry out the preventive instructions given below:

- ◇ Do not heat items that could perish or score the silicone pad or damage the heat platen's teflon coating.
- ◇ Clean the machine at regular intervals, with the platen cold, using a clean cloth and isopropyl alcohol and wearing personal protective equipment (NB: isopropyl alcohol is flammable - use with care and keep away from sources of heat).
- ◇ Keep the heat platen in the raised position when it is hot but not in use.

DAILY:

- ◇ Clean the foam pad and the platen's coating (when cold) with a dry cloth or a dry cloth and grease remover.
- ◇ Inspect the air inlet filter on the left side; drain the filter if it is heavily condensated.

MONTHLY: Check the shafts and lubricate if necessary.

ACCORDING TO USE: Replace the foam pad every 6 months.

D. POSSIBLE BREAKDOWNS

TO BE PERFORMED BY QUALIFIED PERSONNEL

ALL MAINTENANCE INTERVENTIONS MUST BE CARRIED OUT WITH THE MACHINE AT A STANDSTILL AND ALL ENERGY SUPPLIES SWITCHED OFF (ELECTRIC AND PNEUMATIC POWER SUPPLIES DISCONNECTED)

SYMPTOMS	POSSIBLE BREAKDOWNS	TROUBLE-SHOOTING
The machine does not switch on	The plug is not connected	Check the mains and see whether the machine is connected.
	The switch has not been pressed	Put the main On / Off switch on 1.
	The main fuse is out of order	The fuse is located in a holder next to the plug. It can be reached by unplugging the power lead and prising up the housing with the tip of a screwdriver. The square tube contains a spare fuse to replace the one in the clip.
	There is a fault in the display unit	Check that the cabling is connected; if this is the case, the display unit is out of order
The plate does not heat	Faulty resistance	Check the connections and the state of the electrical wiring. Contact your distributor for dismantling the heating plate.
	Problem with the board	See the messages displayed on the screen and refer to the manual for the board.
	Temperature set too low	To change this value, see chapter V
The plate is overheating	Problem with the probe or the board	Check the on-screen messages and refer to the board user manual. Contact your retailer.
The timer does not work	Disabled or faulty "lower platen" limit switch	Check the connections.
	Problem with the electronic board	See the messages displayed on the screen and refer to the manual for the board.
The platen does not lower	The pedal is not working	Check the connections.
	Leaking cylinder	Check the seals and all the connections. Contact your retailer.
	Faulty solenoid control valve	Check the valve couplings. Contact your retailer about a possible replacement.
	Compressed air pressure too low	Check that the supply pressure is > 3 bar.
The platen does not lift up	Faulty solenoid control valve	Check the valve couplings. Contact your retailer about a possible replacement.
	Leaking cylinder	Check the seals and all the connections. Contact your retailer.
The platen stays down after pressing	The timer is not counting down	See above. Check whether the "lower platen" limit switch is tripped when the arm is in the lowered position.