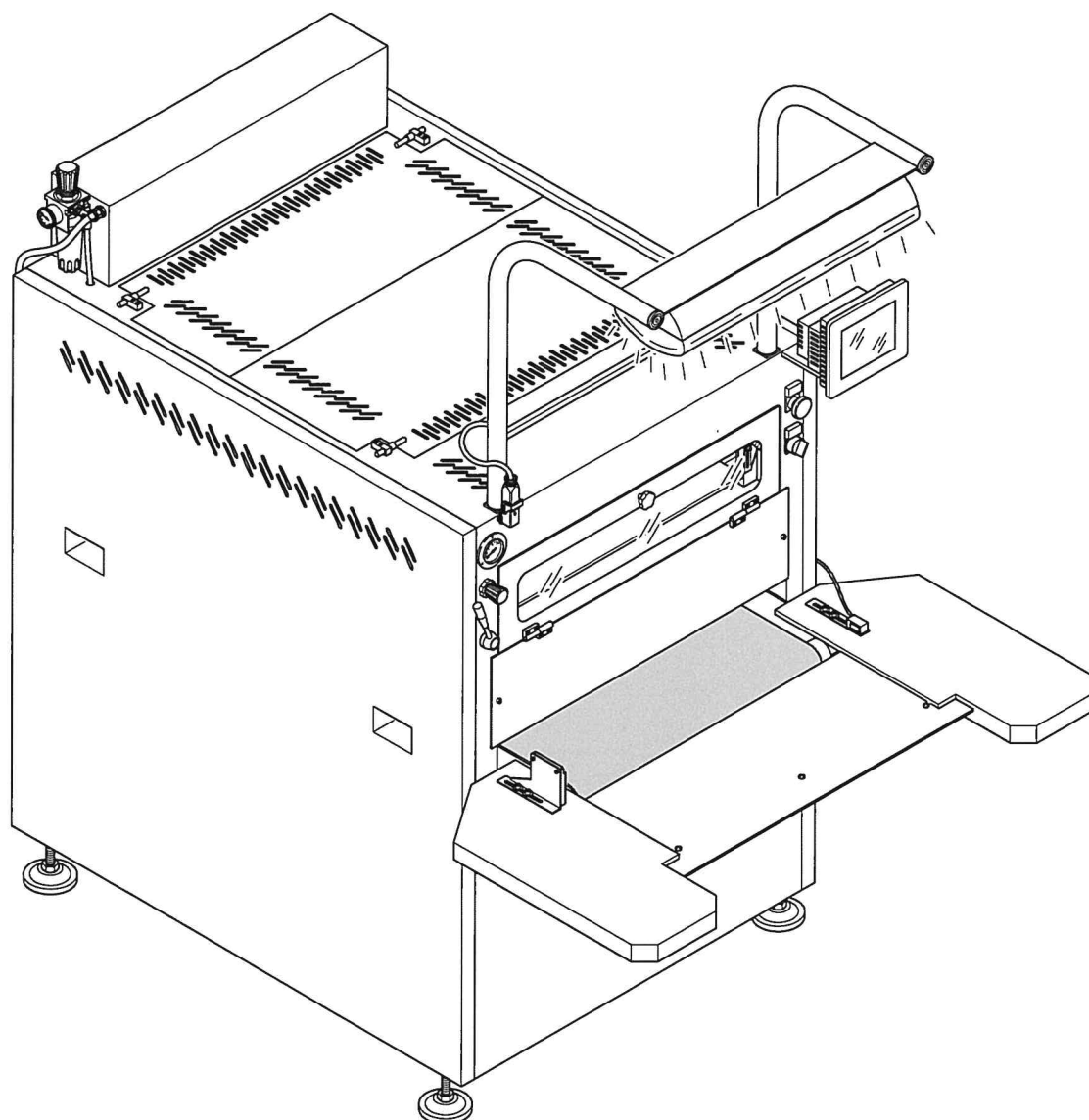


ADHESIVE MACHINE **mod. MP 2S**



Instructions for use and maintenance





Macchine Automatismi Industriali Camicerie Abbigliamento

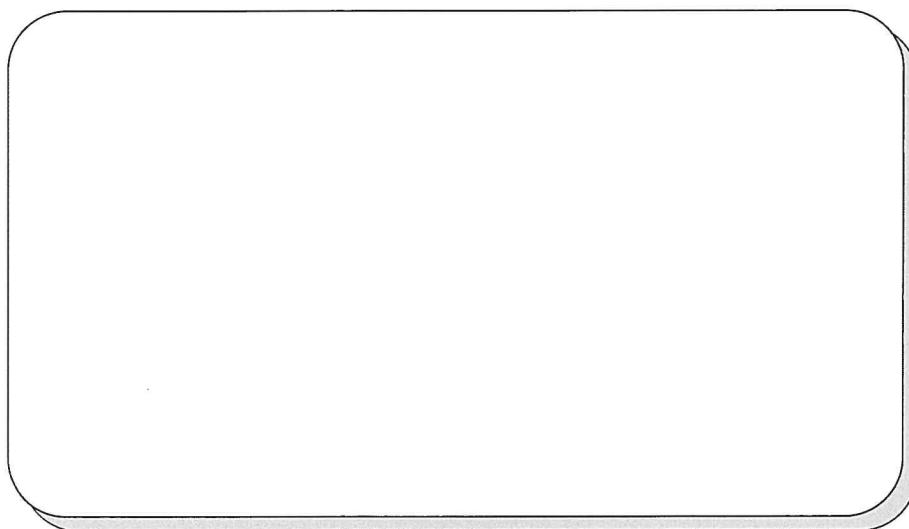
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AUTHORIZED AREA DEALER FOR ASSISTANCE



01 - GENERALITIES

CHARACTERISTICS AND FIELD OF APPLICATION

The new adhesive machine mod. MP 2S has been created to satisfy the requirements of the most demanding clients for the adhesion of collar, cuffs and other details. The plastification is step-less whilst maintaining the high quality that the plate press guarantees. A tacking system makes it possible to fix the fabric before it enters the adhesive phase. The temperature is controlled from a touch screen that allows quick and easy adjustment of resistance. To conclude an unloader allows methodical stacking of the pieces when the operation has terminated without the presence of personnel. A characteristic detail of this new adhesive machine is the patented conveyor cleaning system using a specifically researched material.

ADVISED USE

The Adhesive machine mod. MP 2S is to **be used exclusively** for applications that require the use of adhesive for collars, cuffs and other shirt details.

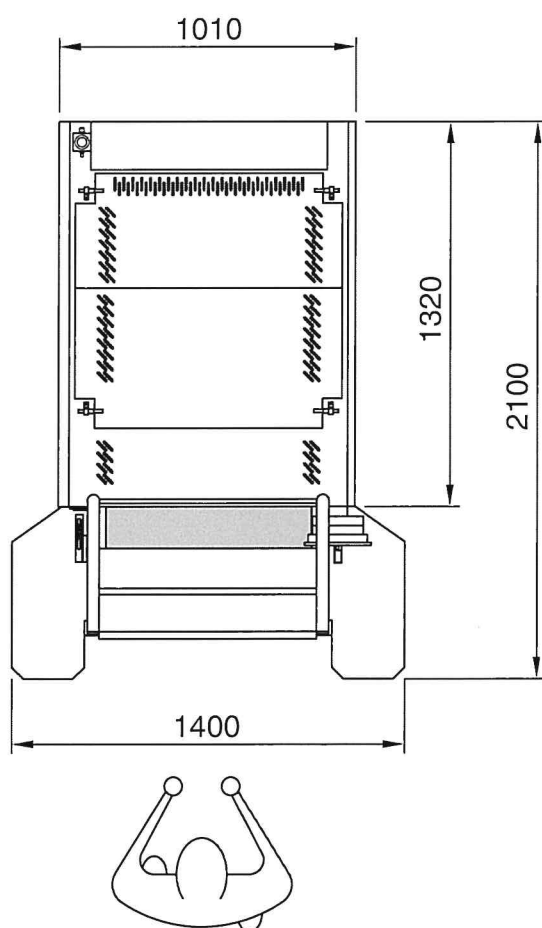
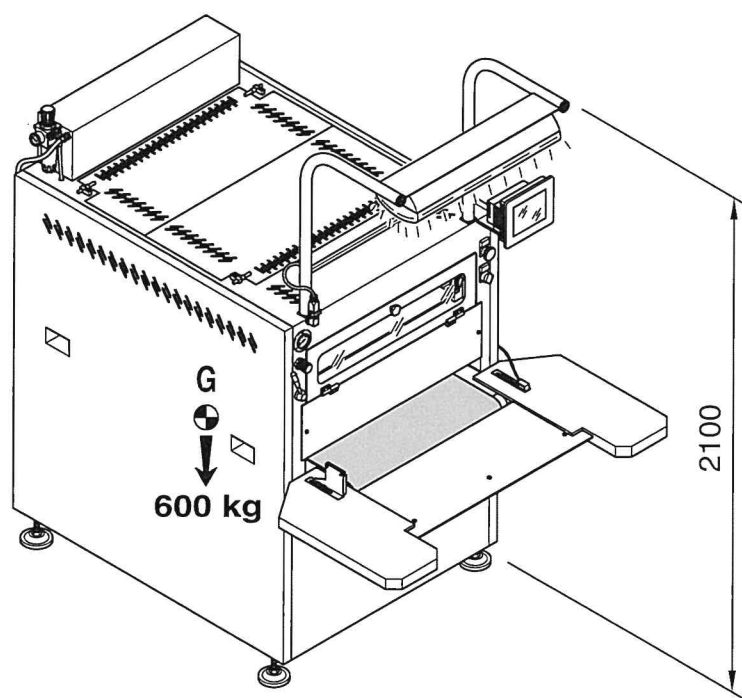
The  symbol indicates there exists a risk or danger for the health of the operator and, therefore, much care must be taken at this point.

The machine is fitted with conveyor belts and resistance groups that reach temperatures above 70 °C. Wait until the parts involved in the gluing process have cooled down.

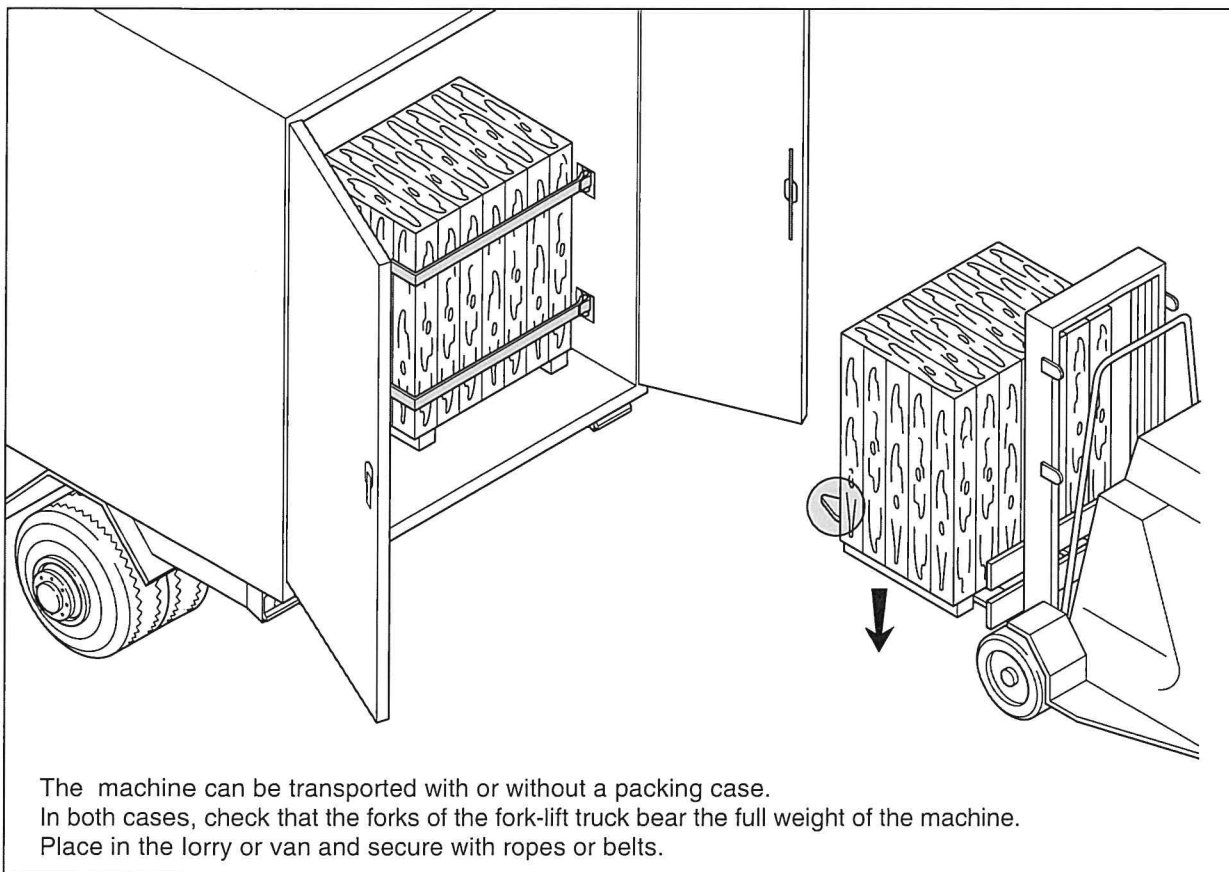
Always disconnect the machine from the mains supply, the compressed air supply and wait for the ironing parts to cool down before undertaking any adjustment, replacement or maintenance work.

The machine **must not be** exposed to the weather (rain, sun, etc).

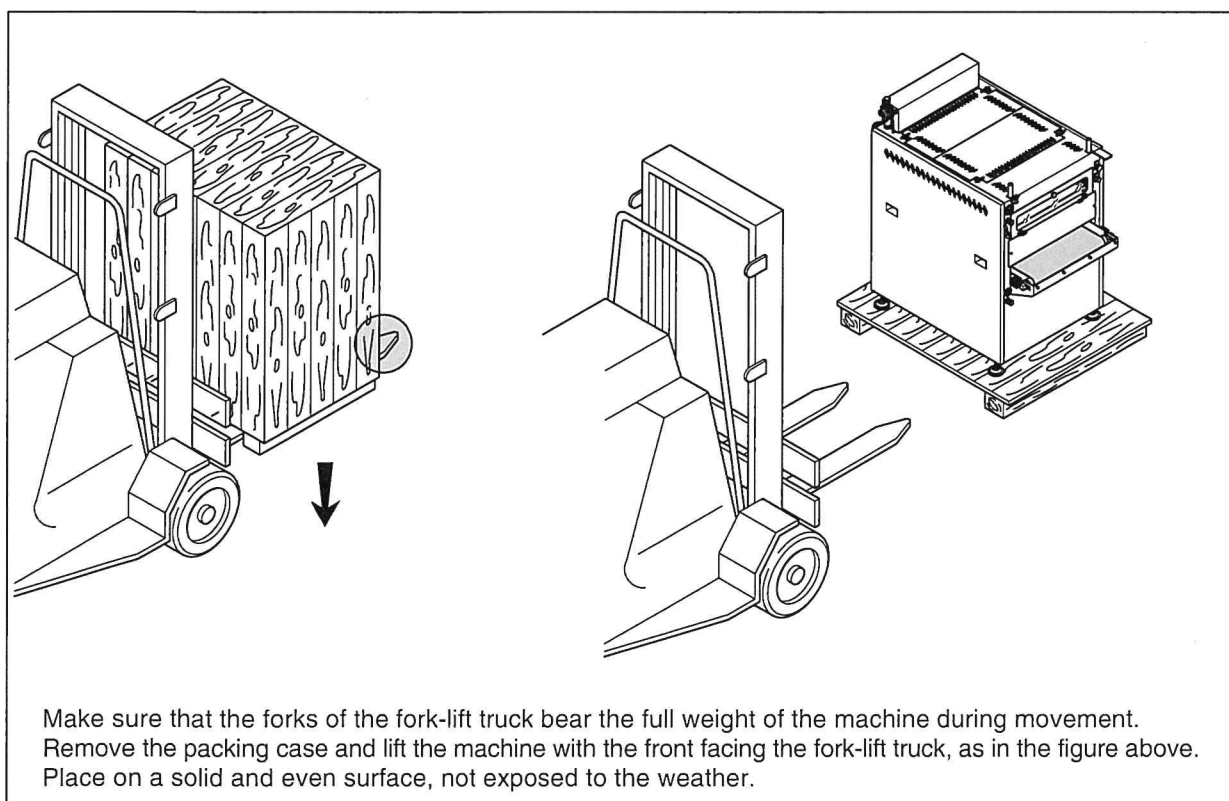
02 - ADHESIVE MACHINE mod. MP 2S TECHNICAL DATA



03 - LIFTING AND TRANSPORTATION



04 - LOADING AND UNLOADING



05 - INSTALLATION

ATTENTION: This machine must only be installed by specialized personnel.

The manufacturer cannot be held liable for any damage to persons or to property arising from incorrect installation not in accordance with these instructions and connection to a mains supply that does not meet the necessary requirements.



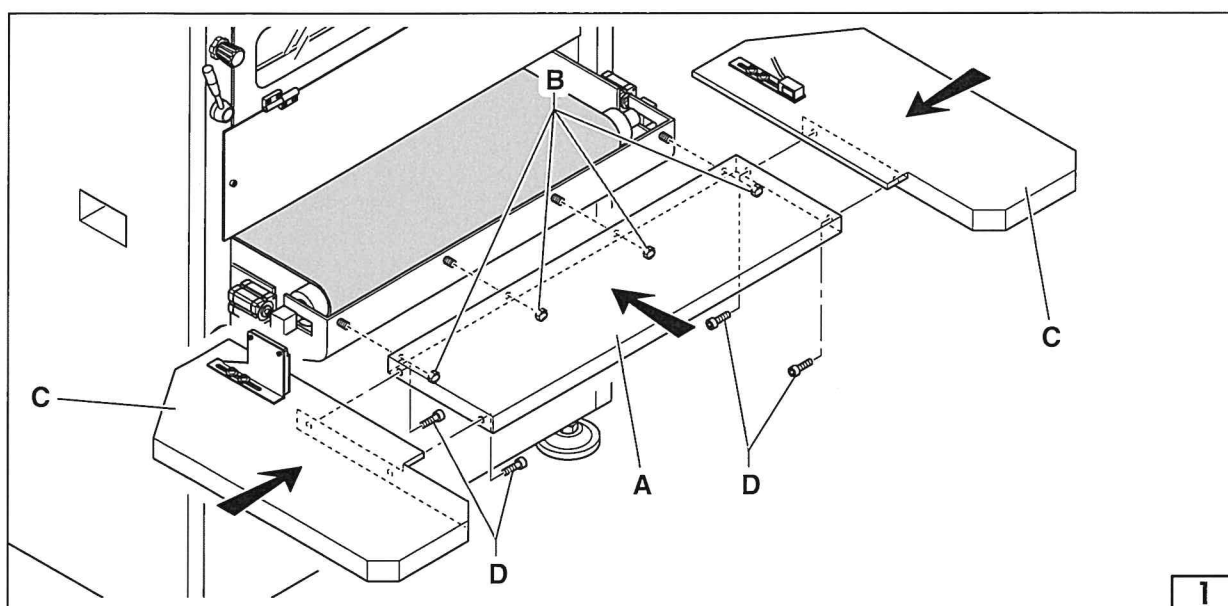
If the machine is installed on a suspended surface, check that the surface can withstand the weight of the machine. This machine m

To facilitate its transport, the machine is delivered with the following parts dismantled:

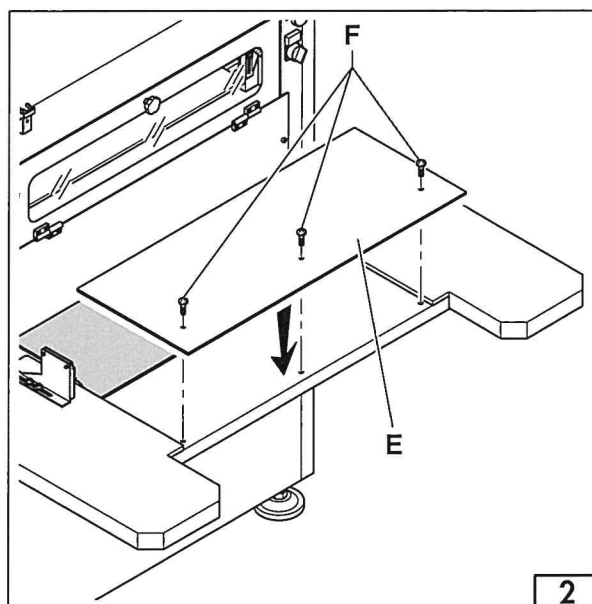
- Front support surface (fig. 1-2):

Screw surface "A" to the machine structure using fixing nuts "B".

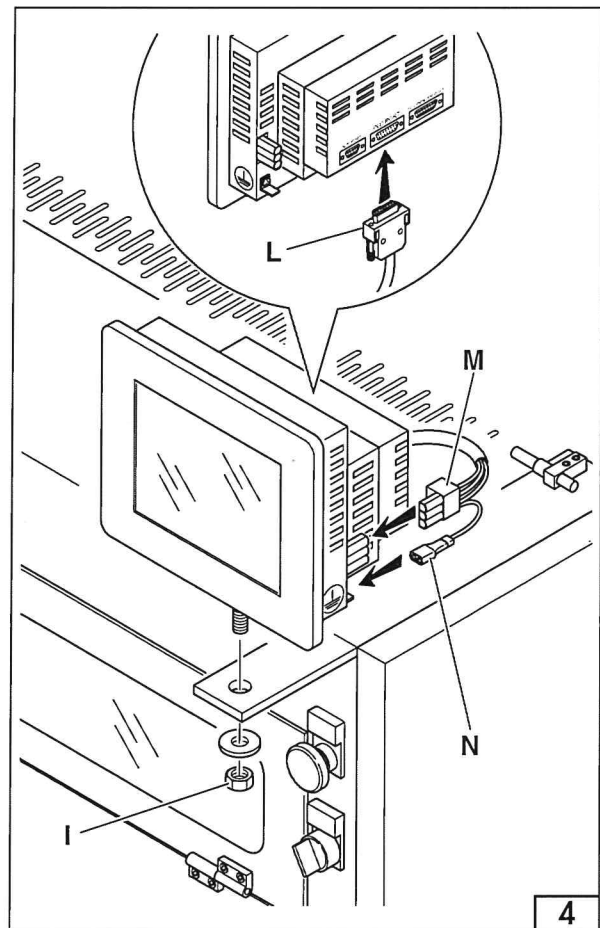
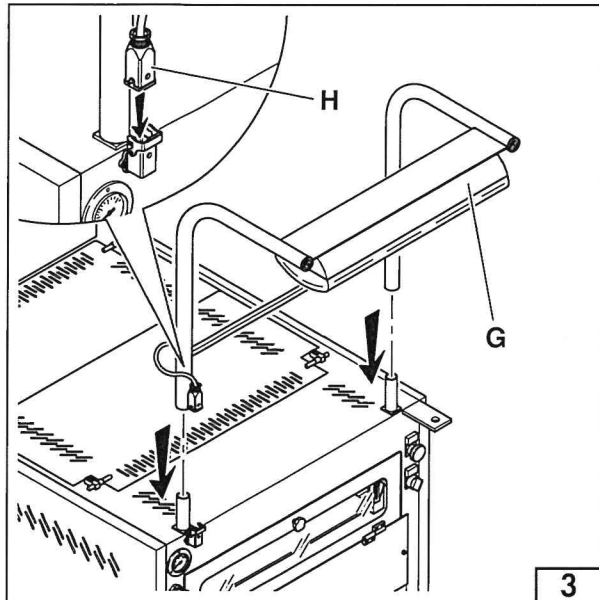
Fix side supports "C" with screws "D".



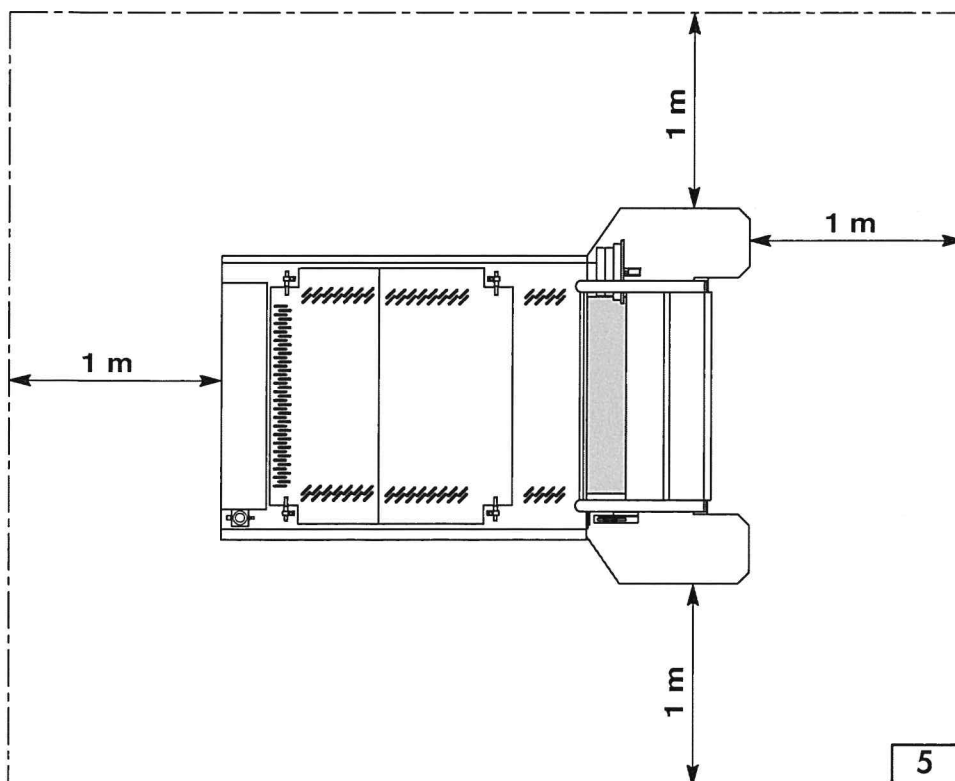
- Screw on sheet "E" with screws "F".



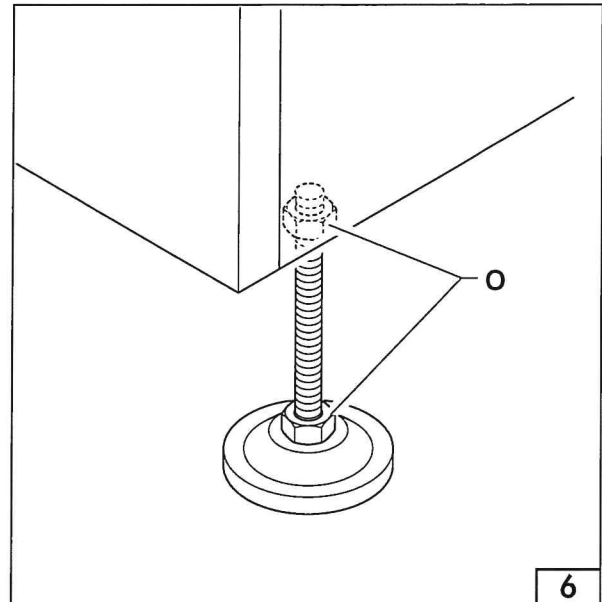
- Lamp support (fig. 3):
Insert the tubular elements of lamp-holder structure "G" and connect connector "H".
- Control keyboard (fig. 4):
Position the keyboard and fix it to the support bracket using nut "I".
Connect PLC connector "L" and power supply connector "M".
Make the earth connection using terminal "N".



- Make sure that the distances shown in figure 5 below are respected as these are necessary for the maintenance and operation of the machine.



- The machine must be placed on a solid and even surface. Use levelling feet "O" to adjust the height (fig. 6).



ELECTRICAL CONNECTIONS

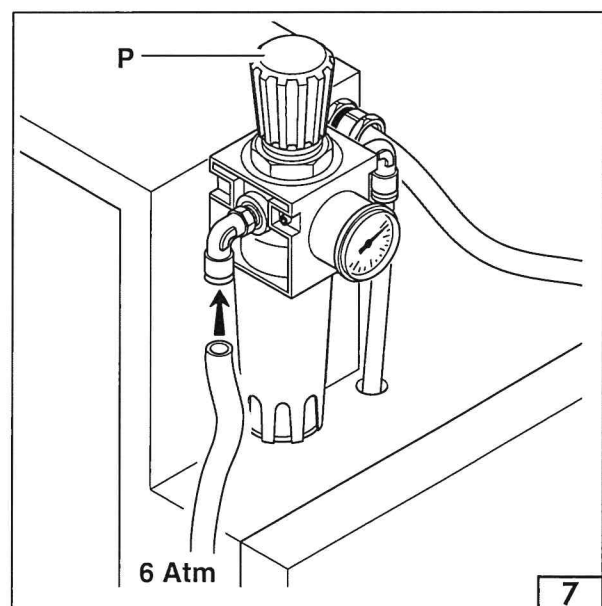
The machine is delivered complete with power supply cable.

- Connect the cable to a 380V-50Hz Three-phase + Neutral power socket.
- Before installation, check the efficiency of the earthing system to which the machine is connected.
- The power absorbed is 12 kW.

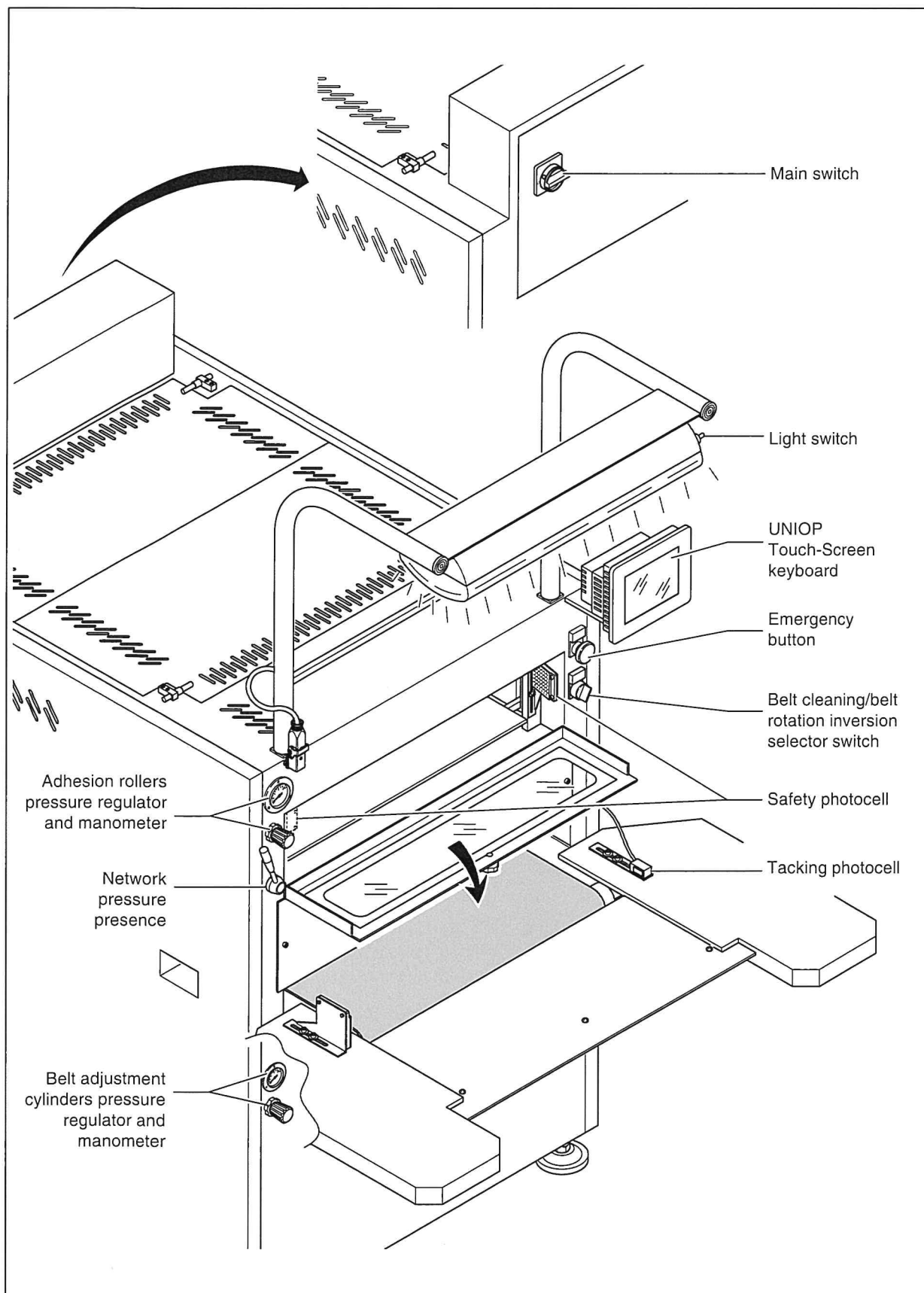
PNEUMATIC CONNECTION

Connect the machine to the compressed air outlet and make sure that the air flow is sufficient to allow for operation with a constant rate of pressure of 6 Atm.

Calibrate pressure regulator "P" at between 6 Atm (fig. 7).

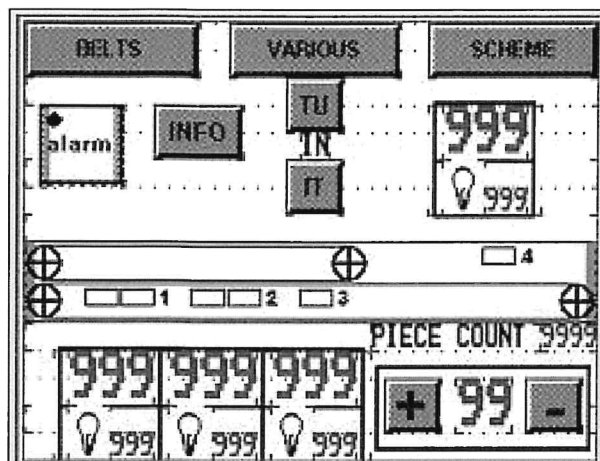


06 - MACHINE CONTROLS

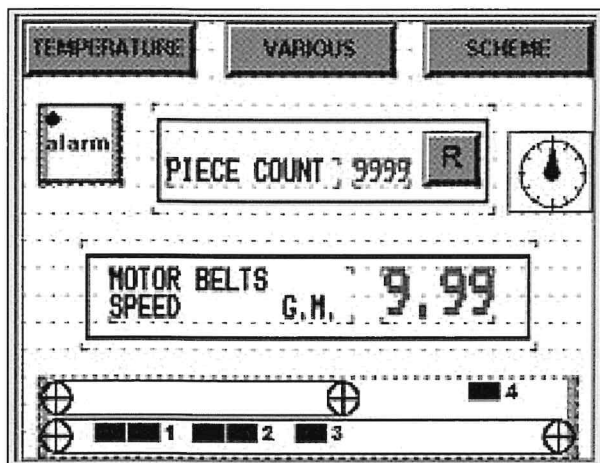


FUNZIONI E IMPOSTAZIONI TASTIERA UNIOF

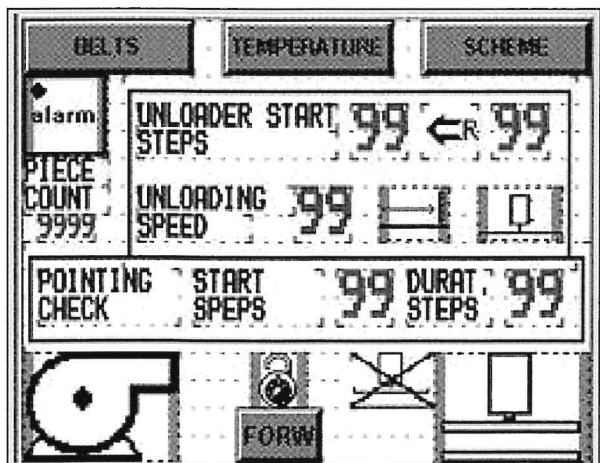
1 - Pagina controllo cambio lingua e controllo temperature



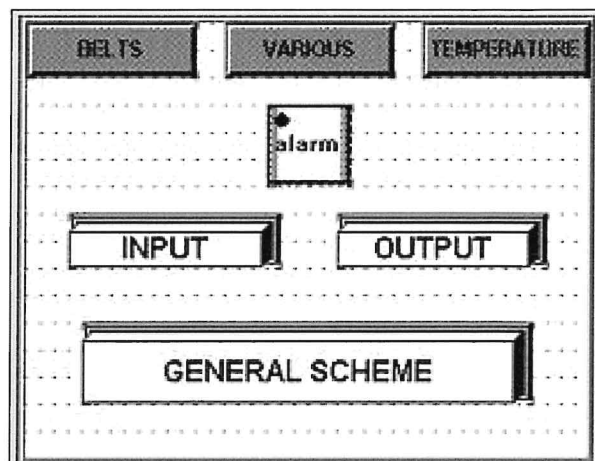
2 - Pagina controllo velocità motore nastri e reset conta pezzi



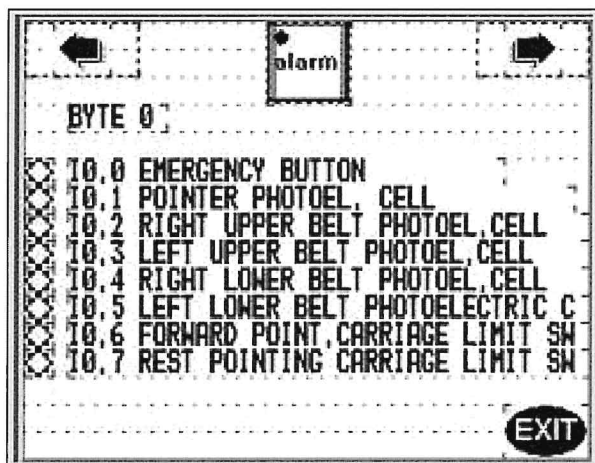
3 - Pagina controllo accensione motore di raffreddamento, controllo puntatura, controllo partenza scarico e blocco scarico



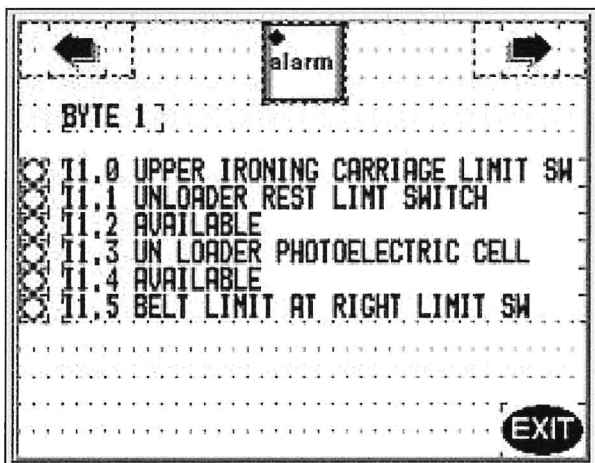
4 - Pagina controllo ingressi, uscite e schema generale. Premere il pulsante con la voce desiderata: INGRESSI - USCITE - SCHEMA GENERALE



5 - Pagina stato ingressi PLC (con spia accesa contatto OK)



6 - Pagina stato ingressi PLC (con spia accesa contatto OK)



7 - Pagina stato ingressi PLC
(con spia accesa contatto OK)

alarm

BYTE 2

12.0 BELT LIMIT AT LEFT LIMIT SWITCH
12.1 BELT TURNING CHECK LIMIT SWITCH
12.2 PRESSURE SWITCH
12.3 BELTS RETURN SELECTOR
12.4 CLEANING BELTS SELECTOR
12.5 UNLOADER PLANE PHOTOEL. CELL
12.6 UNLOADER PROTECTION LIMIT SWITCH
12.7 AVAILABLE

EXIT

10 - Pagina stato uscite PLC
(con spia accesa contatto OK)

alarm

BYTE 2

02.0 PRESSING CYLINDER ON UNLOADER ELEC. V.
02.1 BELTS CLEANING ELECTRO VALVE
02.2 MOVING BELTS MOTOR
02.3 RIGHT UPPER BELT PULLING ELEC. V.
02.4 N.1 UPPER RESISTANCE
02.5 N.2 LOWER RESISTANCE
02.6 N.3 LOWER RESISTANCE
02.7 N.4 LOWER RESISTANCE

EXIT

8 - Pagina stato uscite PLC
(con spia accesa contatto OK)

alarm

BYTE 0

00.0 STEP UNLOADING MOTOR
00.1 LEFT UPPER BELT PULLING ELEC. V.
00.2 RIGHT UPPER BELT PULLING ELEC. V.
00.3 LEFT UPPER BELT PULLING ELEC. V.
00.4 POINTER CYLINDER FORWARD ELEC. V.
00.5 POINTER CYLINDER DESCENT ELEC. V.
00.6 DIRECTION UNLOADING MOTOR
00.7 UNLOADING MOTOR ON

EXIT

11 - Pagina stato uscite PLC
(con spia accesa contatto OK)

alarm

BYTE 3

03.0 AVAILAIBLE
03.1 RETURNING BELTS MOTOR
03.2 BELTS PULLING AIR BLOCK
03.3 ALARMS SPY
03.4 UNLOADER PLANE BLOCK
03.5 UNLOADER PLANE DESCENT
03.7 AVAILAIBLE

EXIT

9 - Pagina stato uscite PLC
(con spia accesa contatto OK)

alarm

BYTE 1

01.0 UNLOADER PLIERS ELEC. V.
01.1 BELTS COOLING MOTOR

EXIT

12 - Pagina controllo allarmi sonde
e resistenze con tutto OK

ALARMS

alarm

EXIT

FUNZIONI E IMPOSTAZIONI TASTIERA UNIOIP

13 - Pagina controllo allarmi sonde e resistenze con allarme in corso

←

alarm

→

ALLARMI

!

SONDA SUPERIORE NON OK
 SONDA INFERIORE INDIETRO NON OK
 SONDA INFERIORE CENTRALE NON OK
 SONDA INFERIORE AVANTI NON OK
 SONDA PUNTATURA NON OK

 RESISTENZA SUPERIORE NON OK
 RESISTENZA INFERIORE INDIETRO NON OK
 RESISTENZA INFERIORE CENTRALE NON OK
 RESISTENZA INFERIORE AVANTI NON OK
 RESISTENZA PUNTATURA NON OK

EXIT

16 - Pagina descrizione rele

←

alarm

→

RELAY

R1:N1 RESISTANCE RELAY
 R2:N2 RESISTANCE RELAY
 R3:N3 RESISTANCE RELAY
 R4:N4 RESISTANCE RELAY
 R6:FORWARD MOTOR TAPES RELAY
 R7:BACKWARD MOTOR TAPES RELAY

EXIT

14 - Pagina descrizione componenti

←

alarm

→

COMPONENTS

A1:GENERAL INTERRUPTER
 A2:BELTS COOLING SAVE MOTOR
 K1:RESISTANCES PHASES REMOT SWITCH
 K2:COOLING MOTOR REMOT SWITCH
 K3:BELTS MOTOR BLOCK REMOT SWITH
 LOGO POWER:220V/24V.DC FEEDER
 CPU 224+EM:PLC
 SYN10:BELT MOTOR INVERTER
 BRUSHLESS DRIVER UNLOADING MOTOR

EXIT

17 - Pagina informativa
(Premere il pulsante con la voce desiderata)

←

alarm

→

KEYBOARD INFORMATION

FIRST CONNECTION

REGULATION TEMPERATURE

ALARMS INFORMATION

BELTS CLEANING

ATTENTION WITH FLASHING SPY
 NO COMMUNICATION WITH PLC KEYBOARD
 CHECK THE CONNECTION CABLES

↻

15 - Pagina descrizione componenti

←

alarm

→

FUSES

F01:COOLING BELT MOTOR FUSE (10)
 F02:PLC+INPUT FUSE (2A)
 F03:OUTPUT FUSE (2A)
 F04:LOGO POWER TRANSFORMER FUSE (2A)
 F05:N1 RESISTANCE FUSE (20A)
 F06:N2 RESISTANCE FUSE (20A)
 F07:N3 RESISTANCE FUSE (20A)
 F08:N4 RESISTANCE FUSE (20A)
 F09:BELTS MOTOR INVERTER FUSE (10)
 F10:TRANSFORMER 380V/80 FUSE (10A)
 F11:UNLOADING MOTOR FUSE (5A)

EXIT

18 - Pagina informativa: Primo collegamento

←

alarm

→

FIRST CONNECTION

EXIT

CONNECTION 380V+N

AFTER HAVE CONNECTED THE MACHINE TO THE
 NET CHECK THE CORRECT ROTATION
 OF THE TAPES COOLING MOTOR

FOR THE ROTATION BELTS NO CONTROL

19 - Pagina informativa: Regolazione temperature

EXIT

ACTUAL TEMPERATURE 000

SET TEMPERATURE
PRESS THE NUMBER TO CHANGE 000

RESISTANCES SPIES

PRESS ON THE SKETCH TO HEAT OR TO
DISCONNECT THE RESISTANCES
1 2 3 4 5 SPIES ARE BLACK IF CONNECTED
WHITE IF DISCONNECTED

1

2

3

4

5

20 - Pagina informativa: Info allarmi

ALARMS

EXIT

CONTROL ALARMS
IF AN ALARMS COMES TRAINED
THE KEYBOARD VISUALIZES IT WITH
THE RELATIVE NOTICE

TO DISARM IT FOLLOW THE PHASES
OF CONTROL OR THE RELATIVE INSTRUCTIONS
VISUALIZED ON THE KEYBOARD

ATTENTION
WITH INSERTED ALARM NO FUNCTION
TRAINED THROUGH KEYBOARD

21 - Pagina informativa: Pulizia nastri

BELTS CLEANING

EXIT

ALWAYS CHECK THAT THE BELTS ARE
ALWAYS PERFECTLY CLEAN TURN

FOR THE AUTOMATIC CLEANING TURN THE
RELATIVE SEL, ONLY WHEN THE BELT IS STILL

FOR THE CLEANING WITH ALARM CLEAN TAPES
TURN THE RELATIVE SEL, EVEN IF THE BELT
IS ON THE MOVE

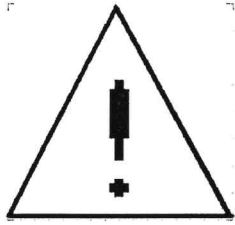
CHECK THE RELATIVE CLEANING CLOTHES
BELTS POSITIONED ON THE DIFFERENT
TAPES AND CLEAN THEM

22 - ALLARMI

- **PULIRE NASTRI:** girare il selettore pulizia nastri
- **EMERGENZA INSERITA:** sbloccare il pulsante.
- **NASTRI FUORI ASSE A DESTRA:** controllare la posizione dei nastri e riportarli in posizione.
- **NASTRI FUORI ASSE A SINISTRA:** controllare la posizione dei nastri e riportarli in posizione.
- **FOTOCELLULE SUPERIORI NON OK:** controllare la posizione del nastro superiore.
- **FOTOCELLULE INFERIORI NON OK:** controllare la posizione del nastro inferiore.
- **MANCA ARIA:** controllare che la linea aria arrivi alla macchina e che il selettore aria sia in posizione ON.
- **CARRO PUNTATORE BASSO:** controllare il finecorsa I1.0 sul cilindro di puntatura.
- **CONTROLLO GIRA NASTRI I2.1 NON OK:** controllare che il motore nastri giri e che l'inverter non sia in blocco (se sull'inverter c'è la scritta LOK togliere tensione tramite l'interruttore generale e attendere 1 minuto prima di ripristinare la tensione).

ATTENZIONE: CON ALLARME IN CORSO NESSUNA FUNZIONE POSSIBILE TRAMITE LA TASTIERA

VISUALIZZAZIONE ALLARME

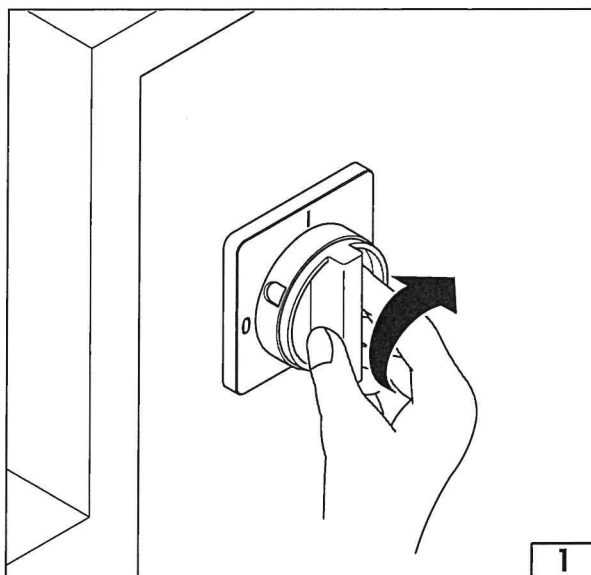


ALLARME IN CORSO

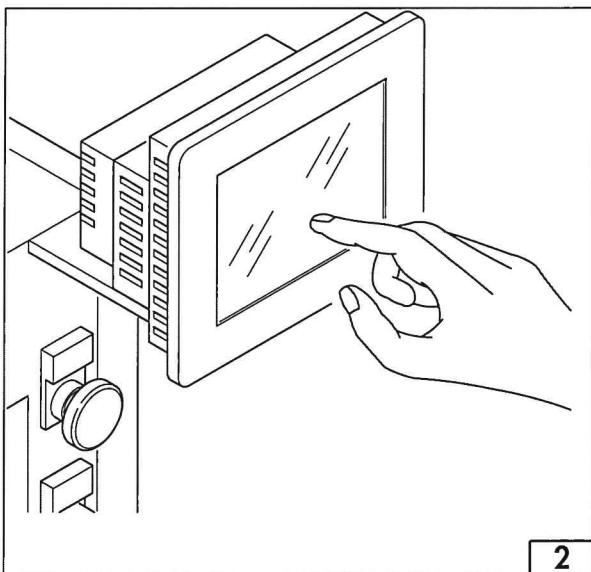
07 - OPERATION

STARTUP

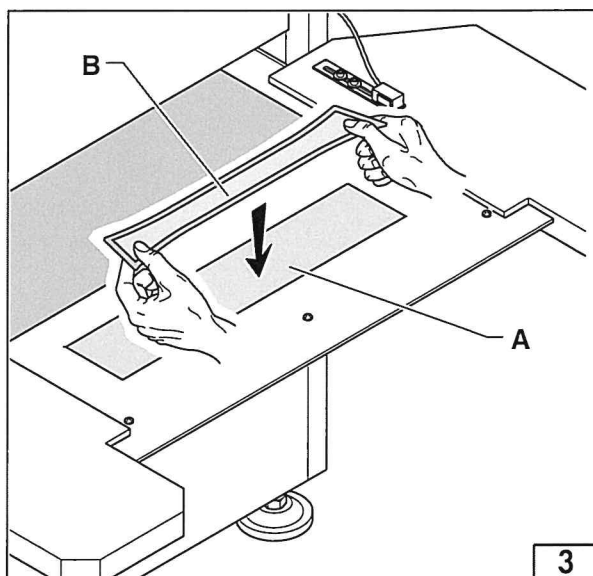
- Turn the main switch to position I (fig. 1).
- Open the air stopcock.
- Use the keyboard to set the temperature of the resistances (140-180°C).
- Check the correct operation of the cooling pump motor; if it is noticed that air is sucked in when the upper casing is lifted, reverse the connection of the phases in the power plug.



- Check the data input from the keyboard (fig. 2), as described in the **"UNIOP KEYBOARD FUNCTIONS AND SETTINGS"** paragraph on page 10.
- Wait for the machine to reach the working temperature.

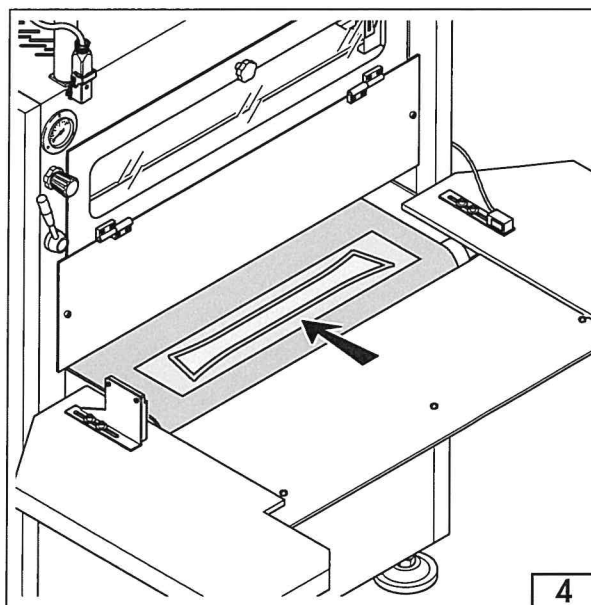


- When the temperature is reached, position fabric "A" and adhesive "B" as shown in figure 3.

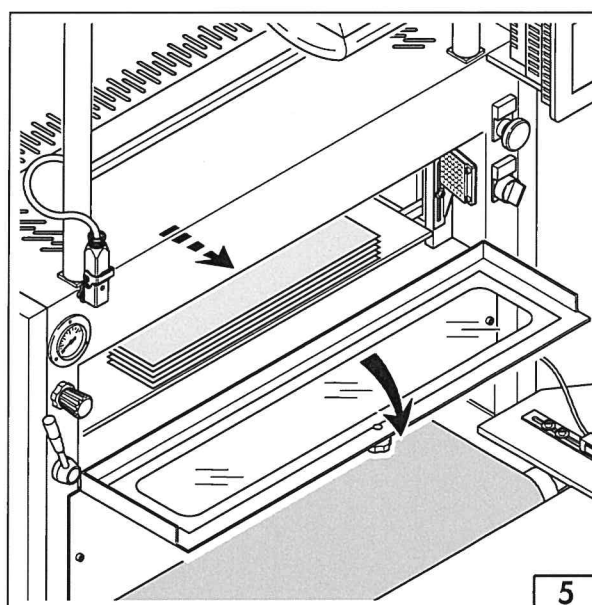


- Place both parts on the conveyor belts (fig. 4) so that they rest on them completely and proceed with positioning further parts of fabric and adhesive.

On the basis of the settings entered from the keyboard, a first tacking operation is or is not performed; the fabric then passes, between the two belts, into the heating zone where special resistances allow the glue to melt and then through two pressure rollers that complete the fixing of the adhesive onto the fabric.

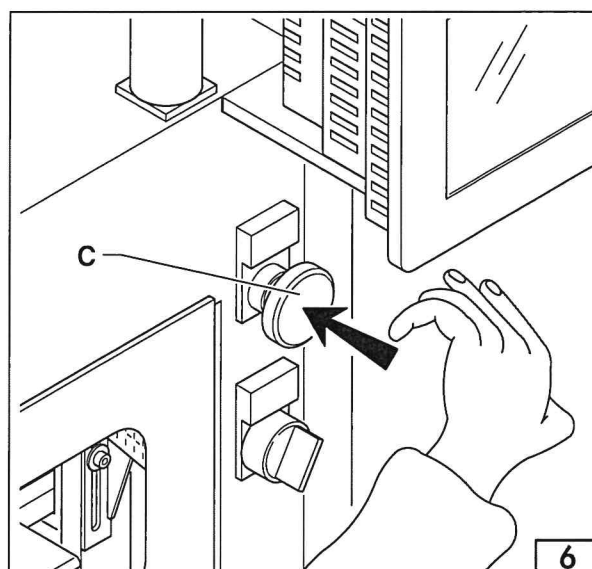


- The finished parts cool down naturally or through activation of a cooling pump; after which they are unloaded and stacked automatically (fig. 5), ready to be picked up by the operator.



Possible anomalies are signalled by alarms being displayed on the keyboard.

- In case of need, the machine can be stopped immediately by pressing emergency button "C" (fig. 6).



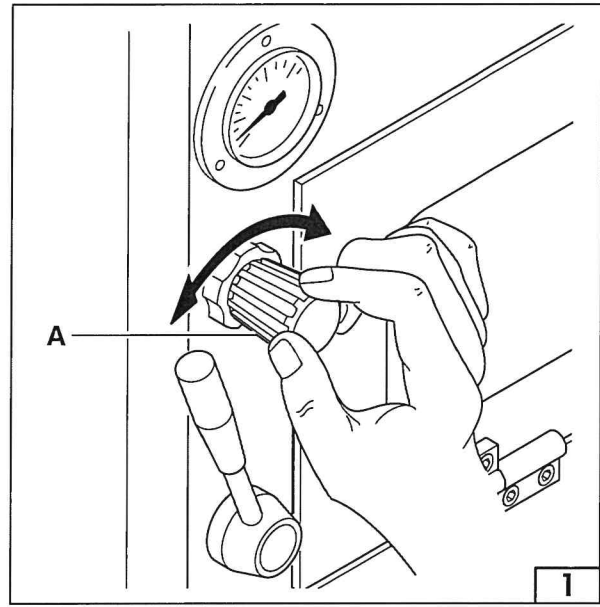
08 - ADJUSTMENTS



Always disconnect the machine from the mains supply, the compressed air supply and wait for the ironing parts to cool down before undertaking any adjustment, replacement or maintenance work.
The operations described below must only be carried out by specialized personnel.

ROLLER PRESSURE ADJUSTMENT

- Set regulator "A" (fig. 1) so that the fabric is glued correctly.
An operating pressure of between 1 and 3 ATM is recommended.
- For all other adjustments refer to the "**UNIOP
KEYBOARD FUNCTIONS AND SETTINGS**" paragraph on page 10.



09 - MAINTENANCE



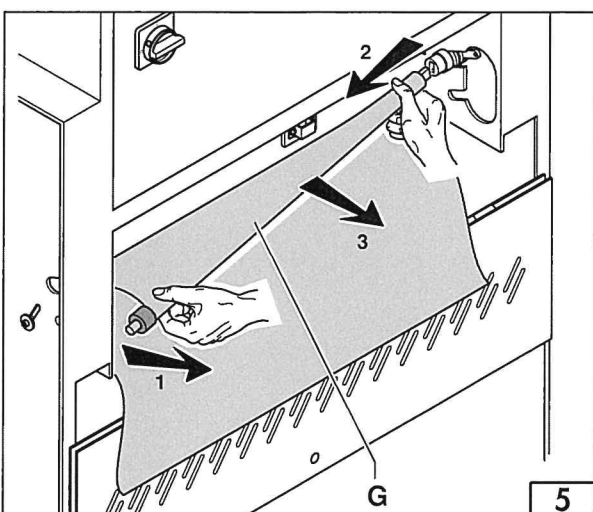
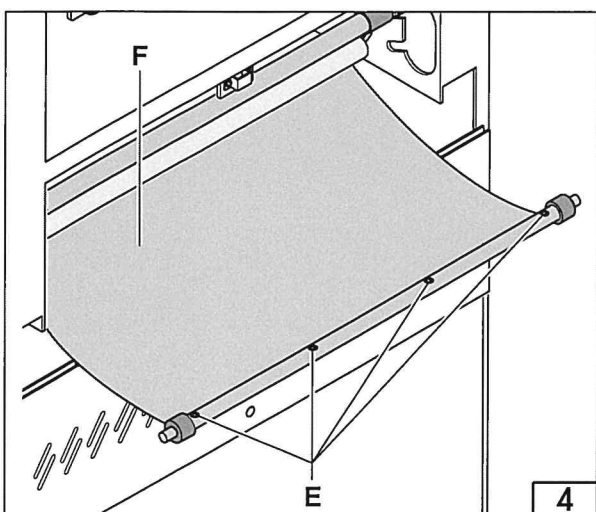
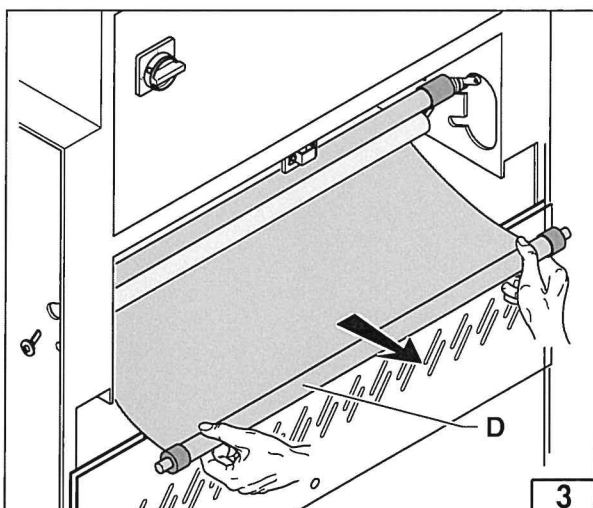
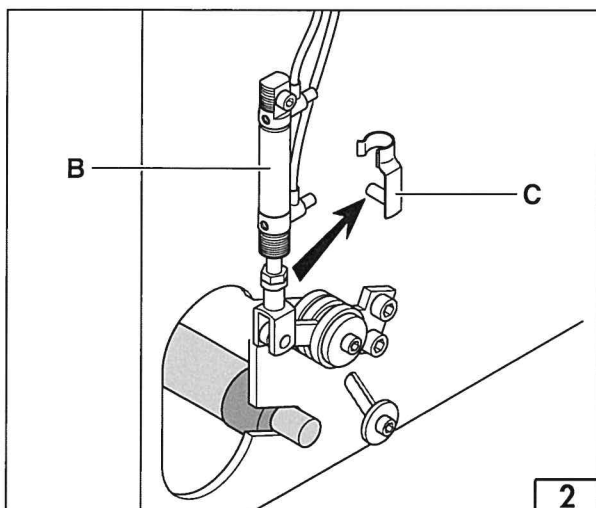
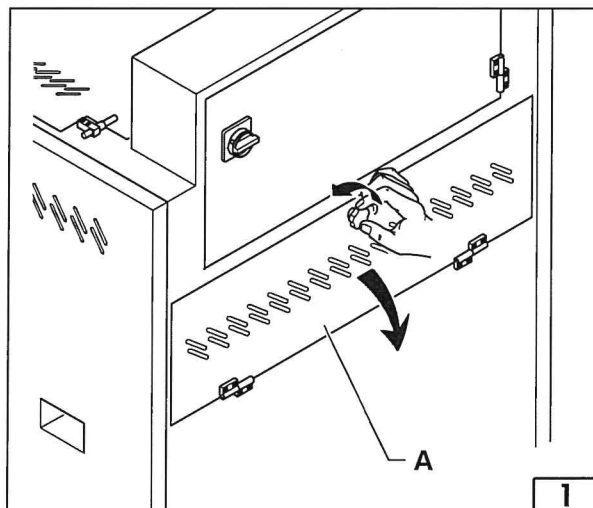
Always disconnect the machine from the mains supply, the compressed air supply and wait for the ironing parts to cool down before undertaking any adjustment, replacement or maintenance work. The operations described below must only be carried out by specialized personnel.

The Adhesive machine mod. MP 2S does not require any special maintenance during use thanks to its rational design. We recommend lubricating the joints regularly and following all instructions in this manual very carefully to keep this machine in good and reliable working condition.

REAR CLEANING BELT

Regularly clean the Teflon belt from residues of glue and dust by carrying out the following operations:

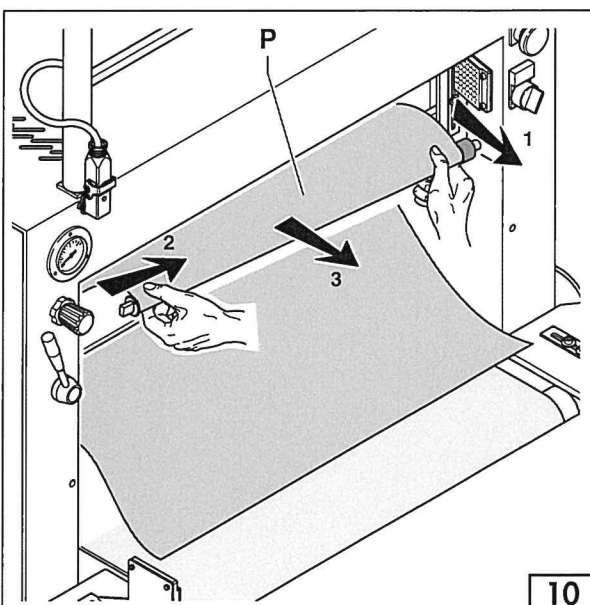
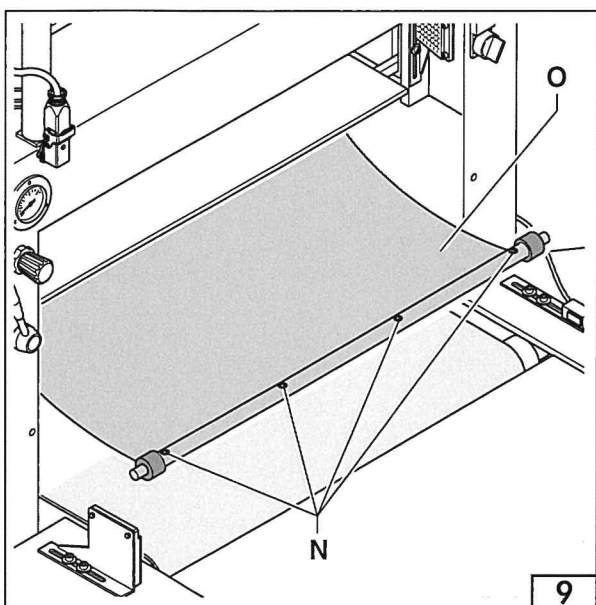
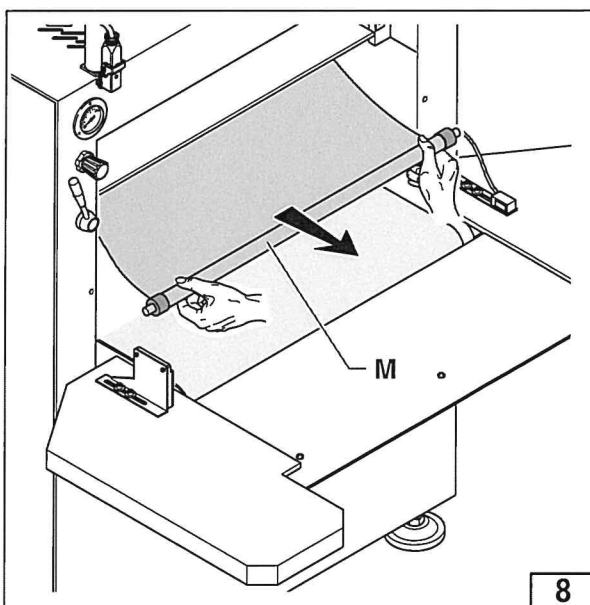
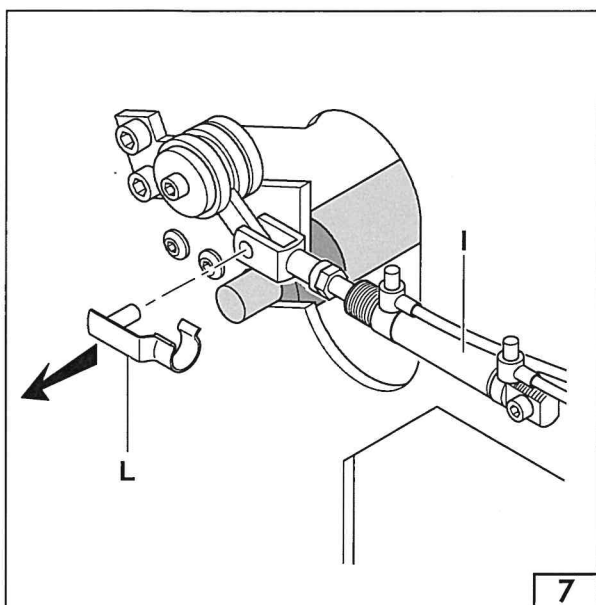
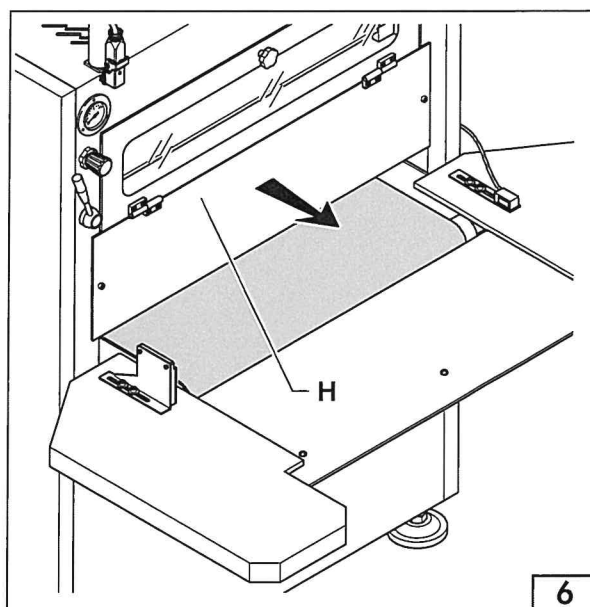
- Remove the side casings and open rear casing "A" (fig. 1).
- Detach cylinders "B", removing sealing spring "C" from the fork (fig. 2).
- Extract roller "D" (fig. 3) from the rear of the machine and unscrew screws "E" so as to detach belt "F" (fig. 4).
- Remove roller "G" so as to extract the belt (fig. 5) and clean it with a jet of air.
- Refit the cleaning belt by reversing the operations described above.



FRONT CLEANING BELT

Regularly clean the Teflon belt from residues of glue and dust by carrying out the following operations:

- Remove side casings and rear casing "H" (fig. 6).
- Detach cylinders "I", removing sealing spring "L" from the fork (fig. 7).
- Extract roller "M" (fig. 8) from the front of the machine and unscrew screws "N" so as to detach belt "O" (fig. 9).
- Open the front hatch; remove roller "P" so as to extract the belt and clean it with a jet of air (fig. 10).
- Refit the cleaning belt by reversing the operations described above.

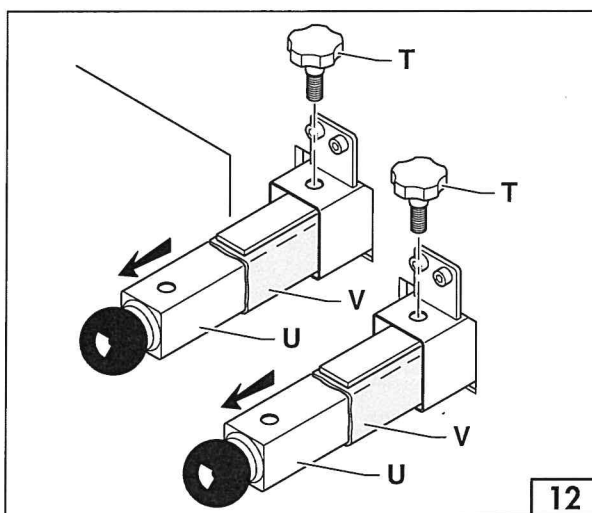
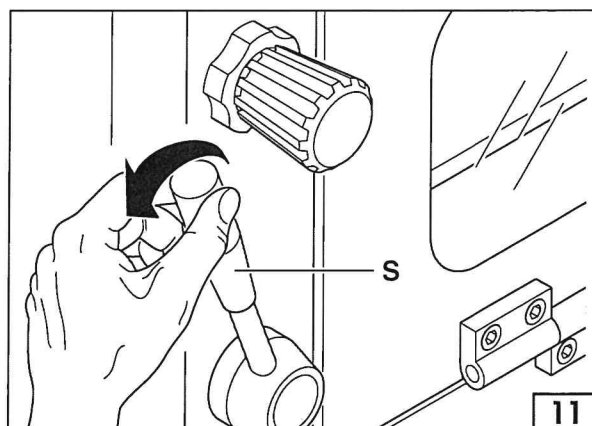


LOWER CLEANING CLOTH

- Set pressure presence lever "S" (fig. 11) to OFF.
- Remove locking pin "T" (fig. 12).
- Unthread supports "U" and clean cloths "V" with a jet of air.
- Reverse the operations described above for reassembly.

Periodically lift and clean the scrapers present on the machine

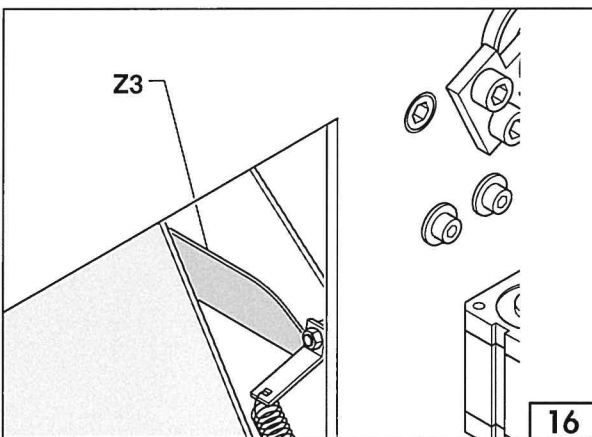
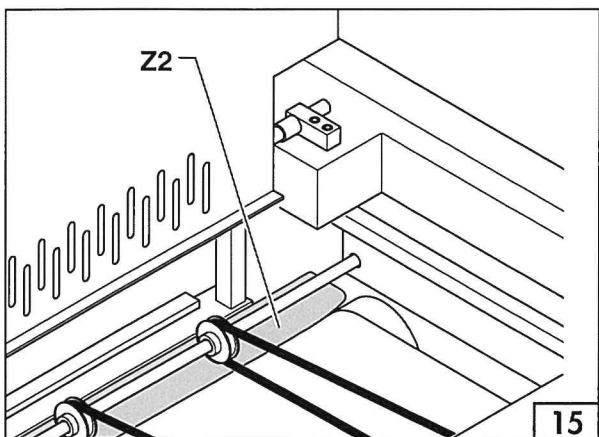
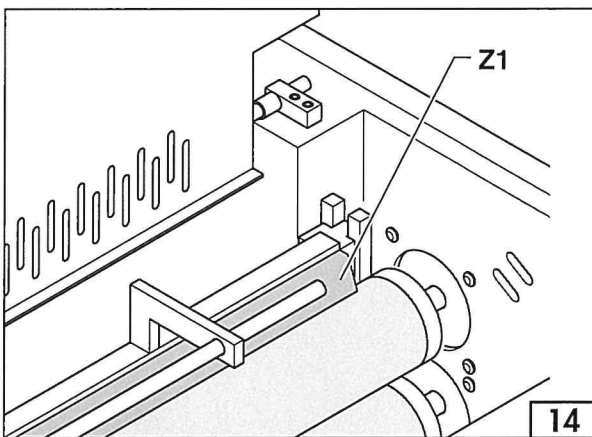
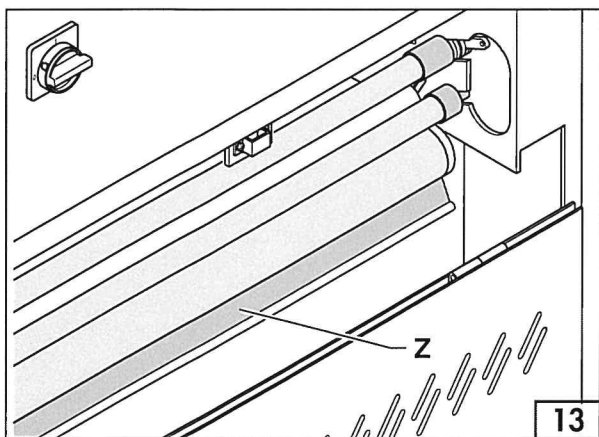
- Rear scraper "Z" (fig. 13).
- Upper scraper "Z1" (fig. 14).
- Upper scraper "Z2" (fig. 15).
- Front scraper "Z3" (fig. 16).



SCRAPER CLEANING

Periodically lift and clean the scrapers present on the machine

- Rear scraper "Z" (fig. 13).
- Upper scraper "Z1" (fig. 14).
- Upper scraper "Z2" (fig. 15).
- Front scraper "Z3" (fig. 16).

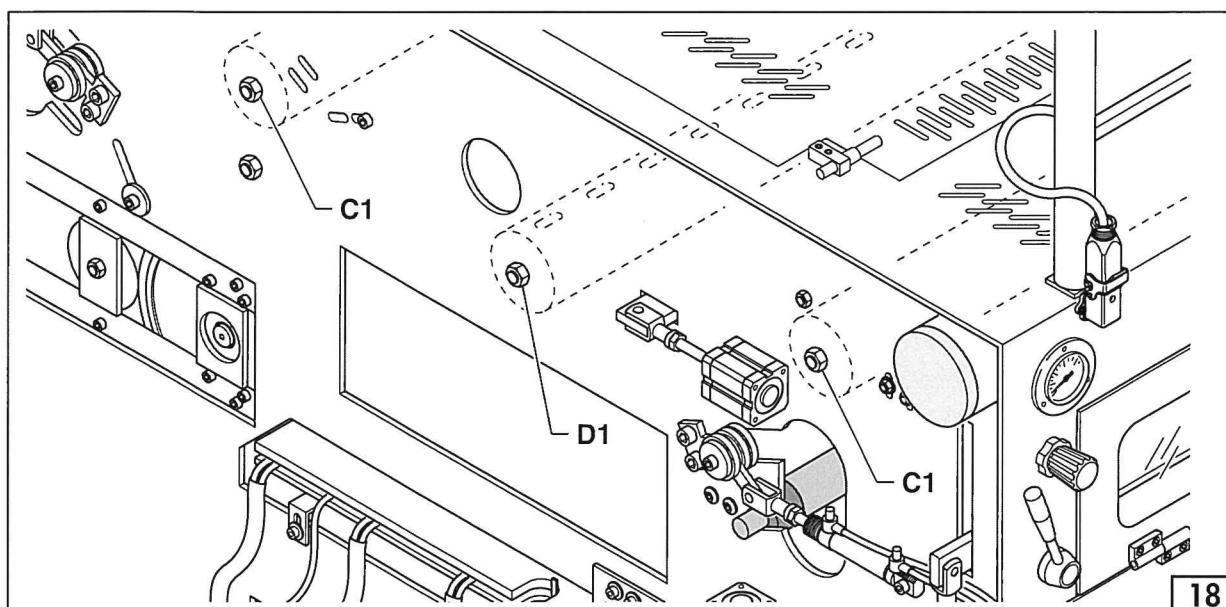
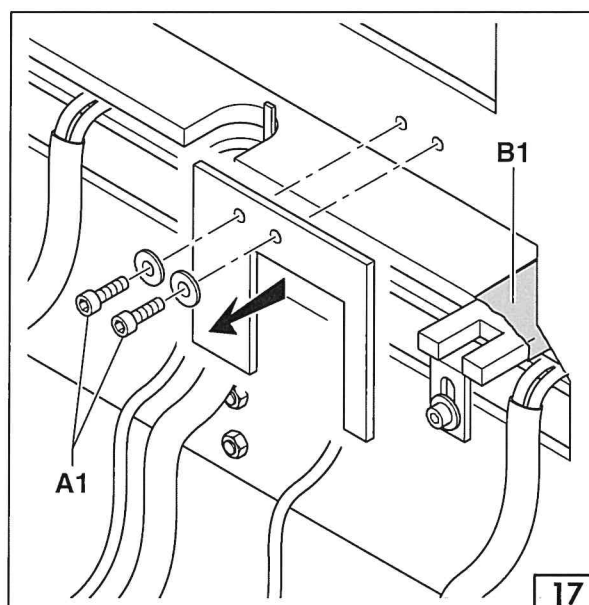


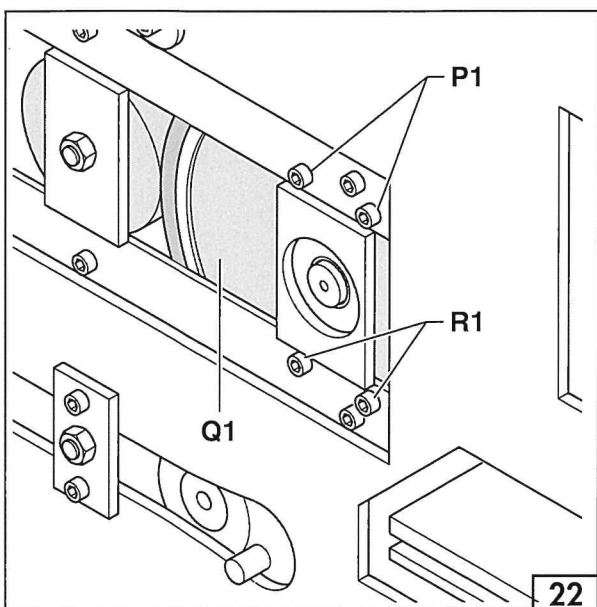
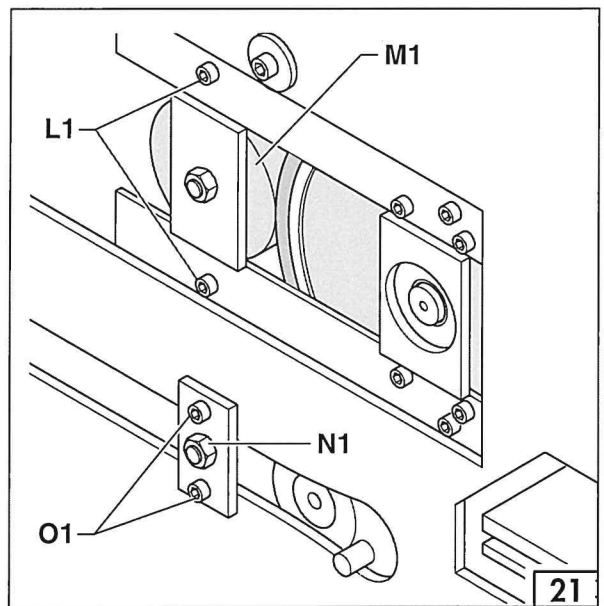
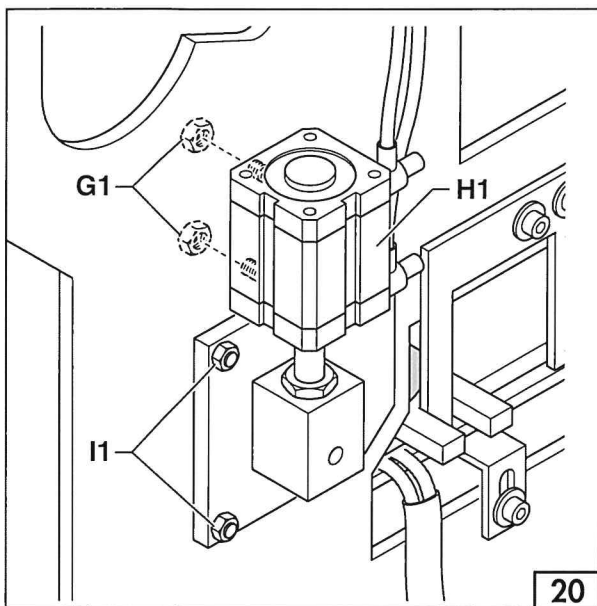
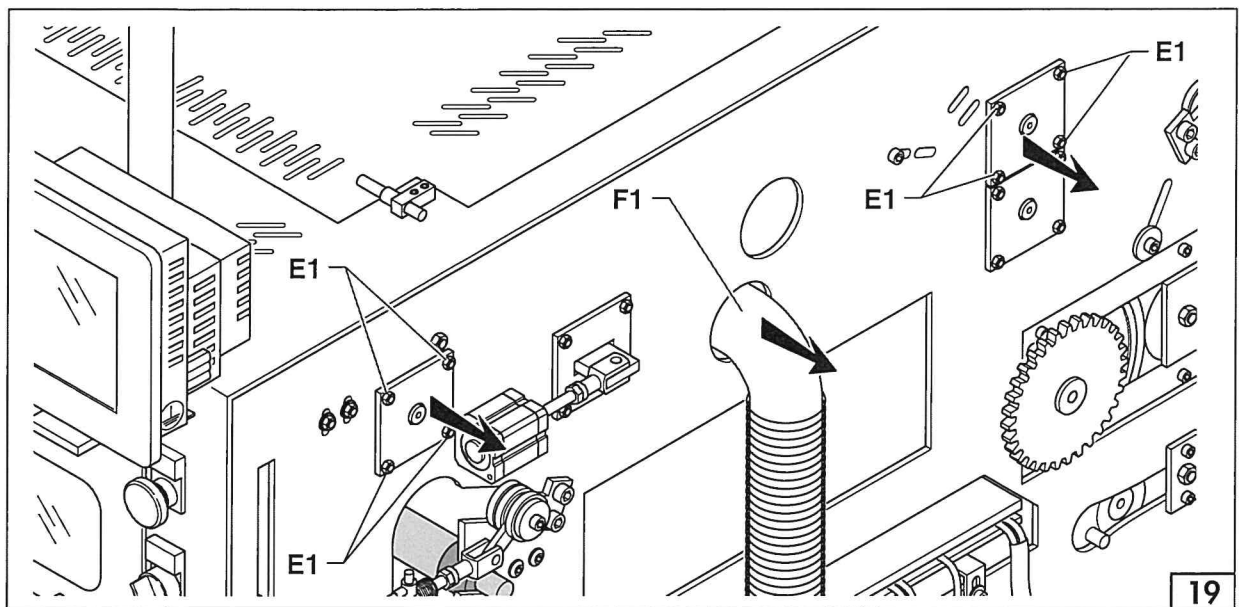
CONVEYOR BELT REPLACEMENT

Proceed as follows to replace worn conveyor belts:

Upper conveyor belt

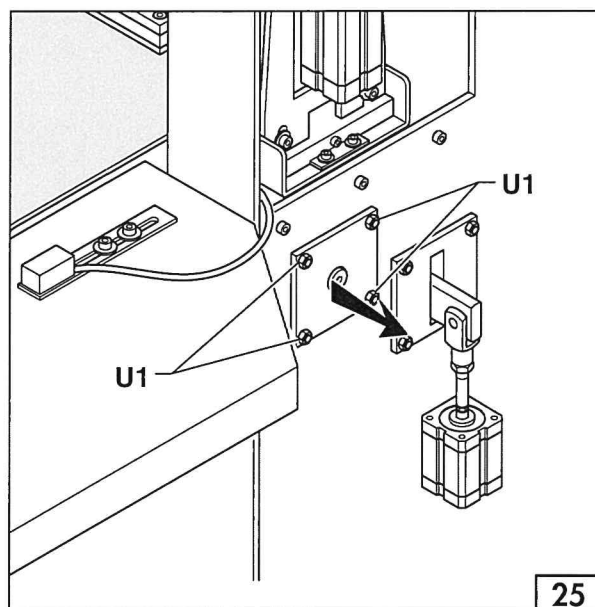
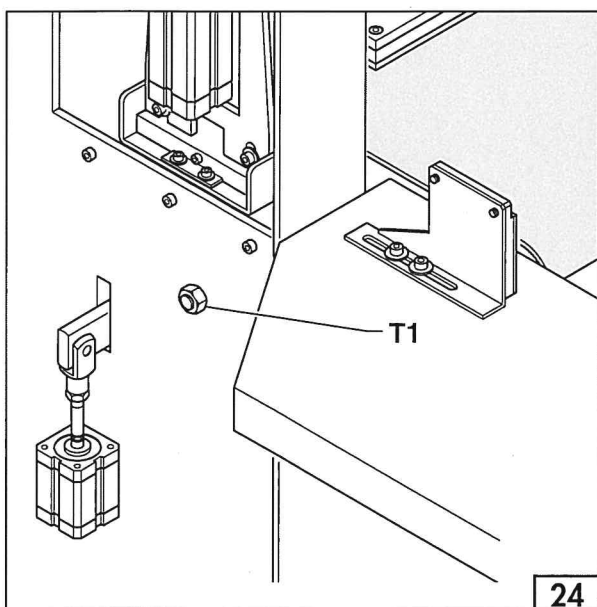
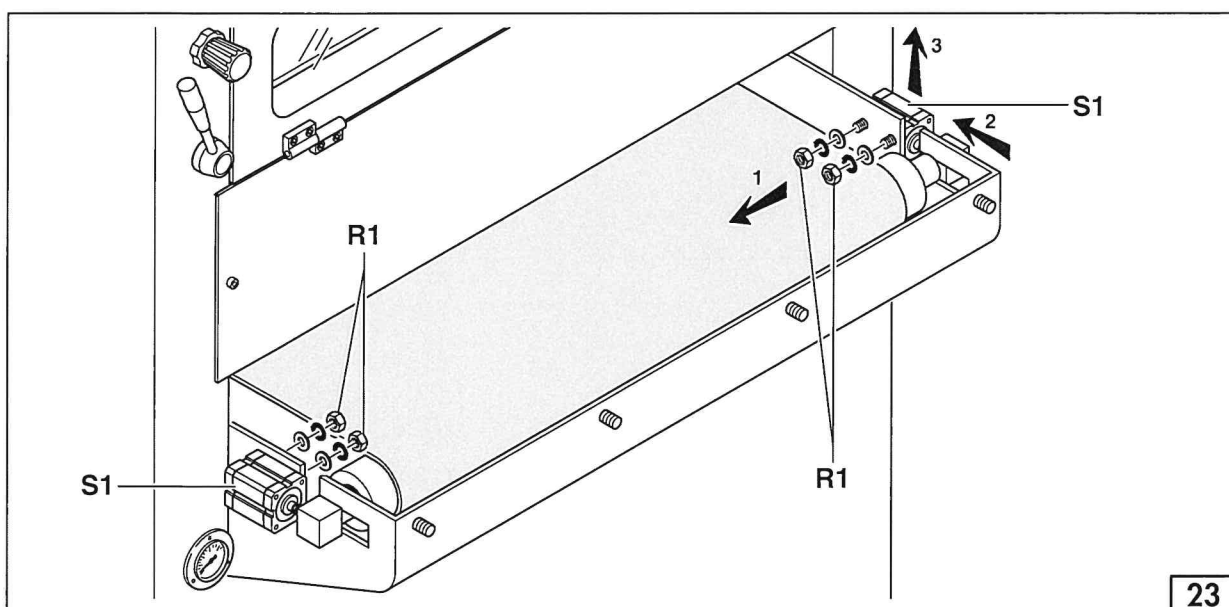
- Lift and remove the side casings.
- Remove and open the rear casing and hatch.
- Unscrew screws "A1" on both sides and unthread cleaning cloth "B1" (fig. 17).
- Unscrew upper roller fixing nuts "C1" and cooling air nut "D1" (fig. 18).
- Remove the upper roller fixing plate nuts "E1" from the rh side of the machine; unthread the two rollers and compressed air pipe "F1" (fig. 19).
- Remove cylinder "H1" fixing nuts "G1" from the rh side (from inside the machine) (fig. 20).
- Unscrew fixing plate nuts "I1" and extract the relative conveyor roller (fig. 20).
- Lower the belt from the rear of the machine, unscrew screws "L1" on the both and extract roller "M1" (fig. 21).
- Loosen nuts "N1" on both sides and unscrew screws "O1" so as to remove the lower roller (fig. 21)
- Remove screws "P1" on both sides and extract roller "Q1" (fig. 22).
- Unthread the worn belt, replace it and repeat the operations in reverse order.

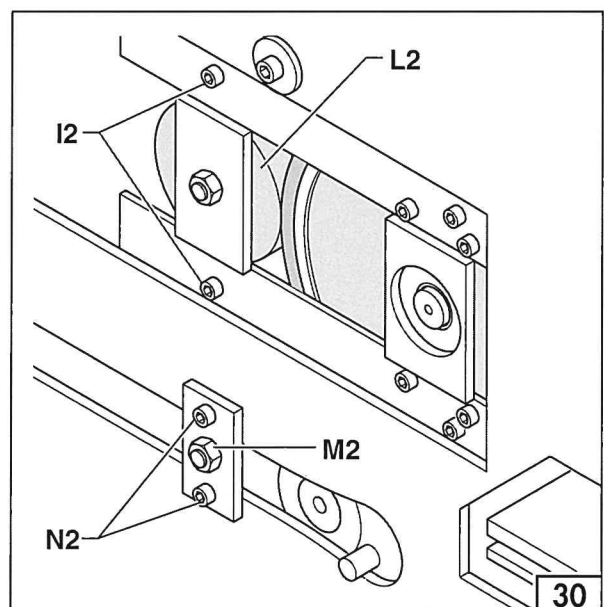
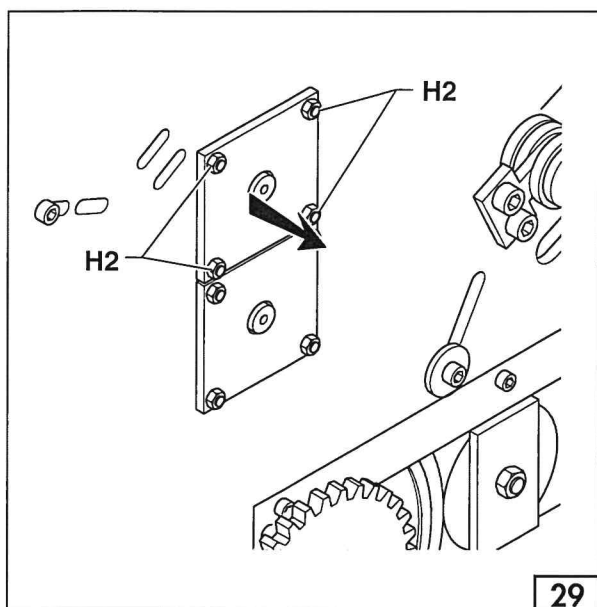
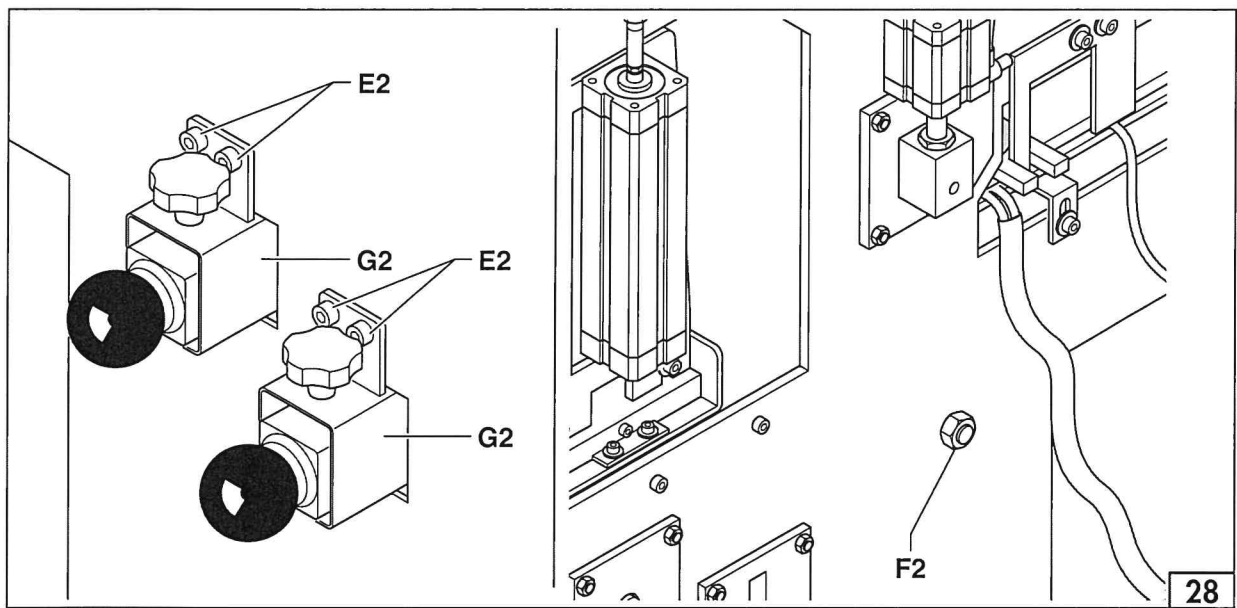
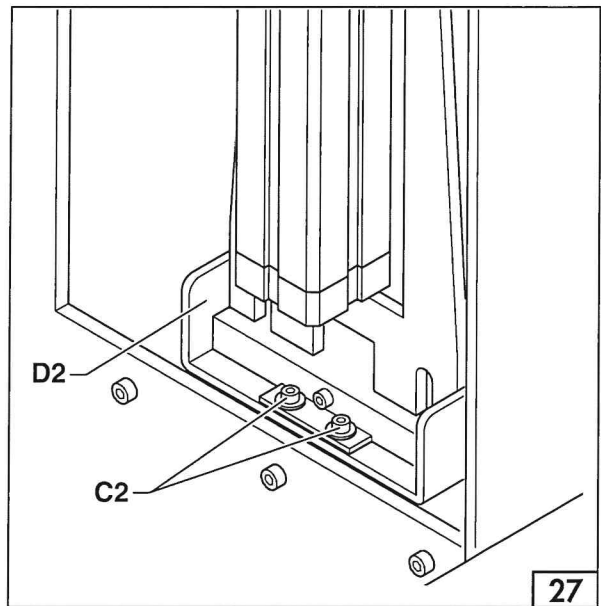
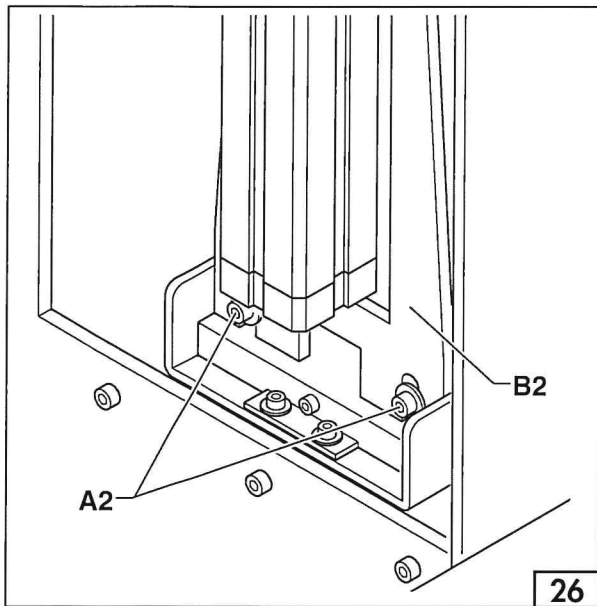




Lower conveyor belt

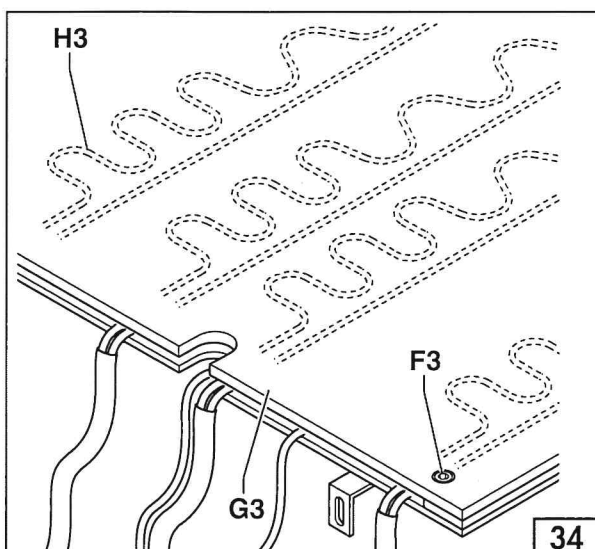
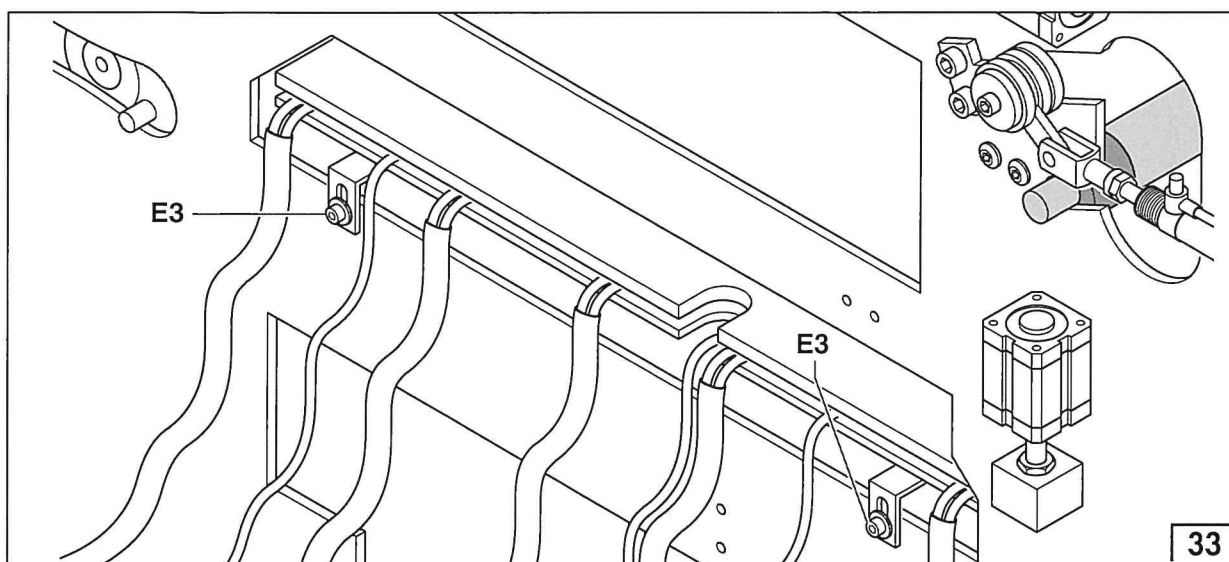
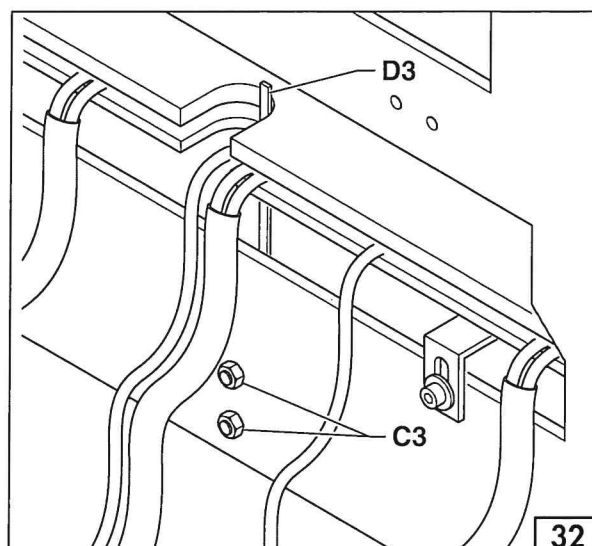
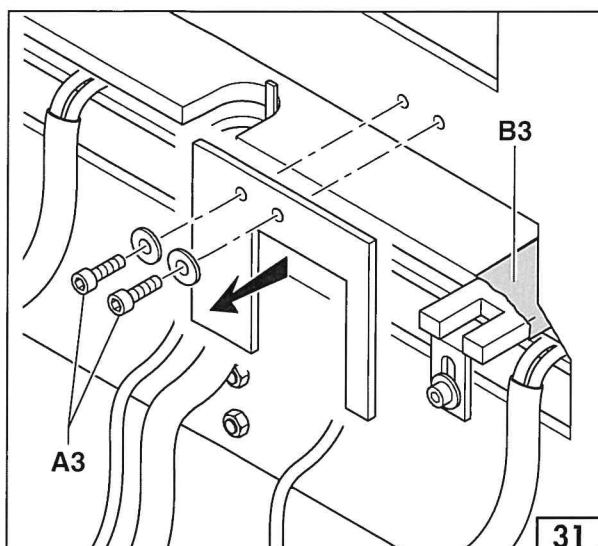
- Lift and remove the side casings.
- Remove or open the rear casings and the front casing.
- Unscrew screws "A1" on both sides and unthread cleaning cloth "B1" (fig. 17).
- At the front of the machine, below the support surface, remove nuts "R1" of cylinders "S1" and move the roller backwards so as to extract it from the slot in the structure (fig. 23).
- Remove nut "T1" on the left-hand side (fig. 24) while, on the right-hand side, remove fixing plate nuts "U1" and extract the relative roller (fig. 25).
- Remove screws "A2" of the tacking group support brackets so as to detach upper part "B2" (fig. 26).
- Unscrew screws "C2" from both sides and remove the lower part "D2" of the tacking group (fig. 27).
- Remove screws "E2" on the left-hand side and nut "F2" on the right-hand side so as to extract part "G2" (fig. 28).
- Remove fixing plate nuts "H2" on the rh side of the machine and unthread the upper roller (fig. 29).
- Lower the belt from the rear of the machine, unscrew screws "I2" on the both and extract roller "L2" (fig. 30).
- Loosen nuts "M2" on both sides and unscrew screws "N2" so as to remove the lower roller (fig. 30)
- Unthread the worn belt, replace it and repeat the operations in reverse order.





RESISTANCE REPLACEMENT

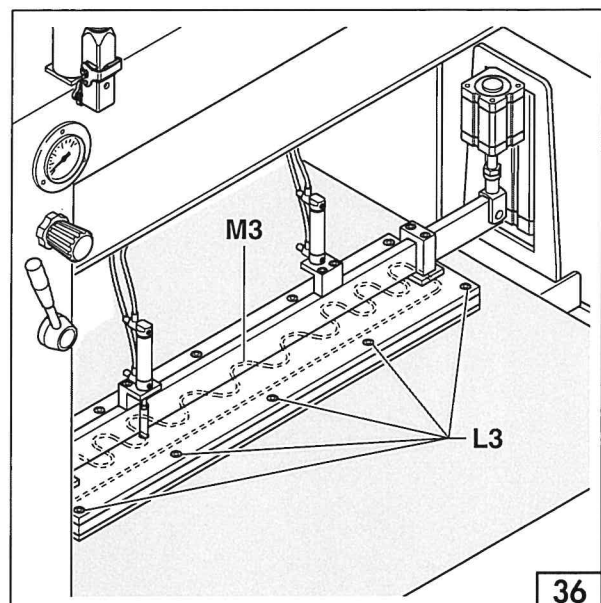
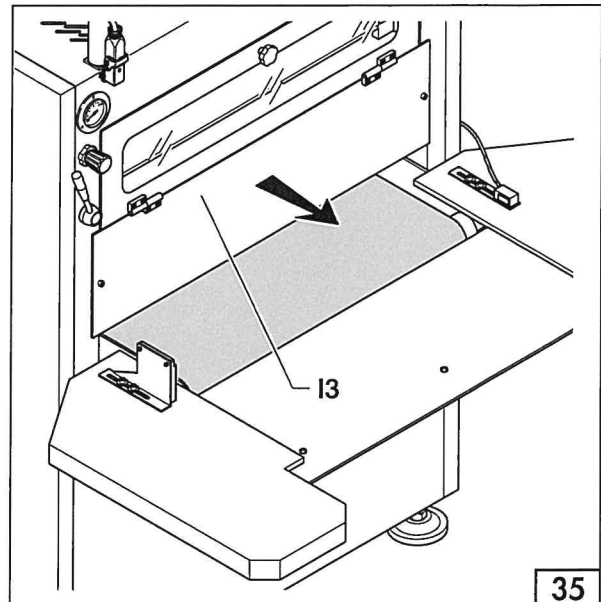
If the gluing process proves to be imperfect, check the efficiency of the resistances and replace them as follows if necessary:



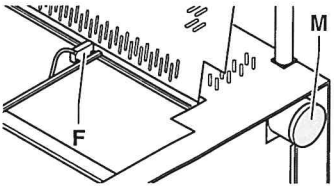
- Lift and remove the side casings.
- Unscrew screws "A3" on both sides and unthread cleaning cloth "B3" (fig. 31).
- Loosen nuts "C3" so as to remove limit switch "D3" (fig. 32).
- Remove screws "E3" on both sides (fig. 33) and extract the resistance-holder group.
- Unscrew the 4 countersunk screws "F3" and remove upper plate "G3" (fig. 34).
- Detach the inefficient resistance's power cable from the terminal board.
- Replace resistance "H3" and reassemble in reverse order.

Tacking resistance

- Remove the left-hand side casing and front casing "I3" (fig. 35).
- Unscrew screws "L3" so as to separate the resistance-holder group (fig. 36).
- Detach the resistance's power cable from the terminal board.
- Replace resistance "M3" and reassemble in reverse order.



10 - MALFUNCTIONS, CAUSES AND REMEDIES

MALFUNCTION	CAUSE	REMEDY
The machine will not start	Inefficient PLC	Check the efficiency of the PLC inside the electric panel.
	Inefficient fuses	Check the efficiency of the protection fuses inside the electric panel.
	The machine has been switched off and immediately switched on again using the main switch	Wait 1 minute before switching on the machine again otherwise the belt-turning motor inverter will be blocked.
The machine will not unload the glued pieces 	Inefficient photocell or in the wrong position	Check the efficiency of photocell "F" and adjust its position if necessary. Check that the signal reaches the PLC.
	Inefficient motor	Check the efficiency of motor "M" and replace if necessary.
	Inefficient unloading protection barrier	Check the efficiency of the emergency barrier.
The machine will not heat	Burnt-out resistance	Check that current reaches the terminal board and that there is continuity in the resistances. Replace if necessary (see page 24).
	Faulty thermal probe	Check and/or replace.
	Faulty relay	Check the efficiency of the relay on the LH side of the machine.
	Inefficient fuse	Check the efficiency of the fuse inside the electric panel.
Belt misaligned in RH or LH side	Belt displacement	Reverse the movement of the belts using the special selector switch and manually adjust the belt or cut off the compressed air and realign the belts that have become slack.
	Inefficient or moved belt control photocells	Lift the upper casings and check the efficiency of the photocells and their correct position with the belt centred.
The machine will not cool	Cooling pump motor not working	Check the efficiency of overload cutout A2 inside the electric panel.
Imperfect gluing	Insufficient ironing roller pressure	Adjust the pressure of the gluing rollers (see page 16).
	Incorrect resistance temperature	Increase or reduce the temperature of the resistances from the keyboard.

11 - SPARE PART SHEETS

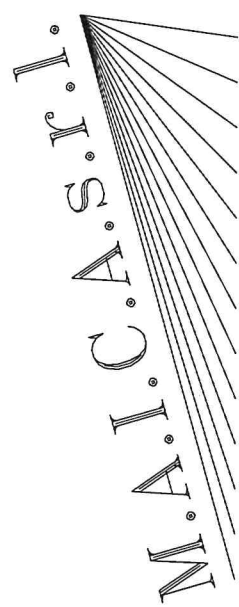
For prompt part identification, the following data must be provided:

1. Machine model and serial number
2. Spare part code
3. Sheet in which the spare part is shown

Example: ADHESIVE MACHINE mod. MP 2S Serial No. Code Table 1

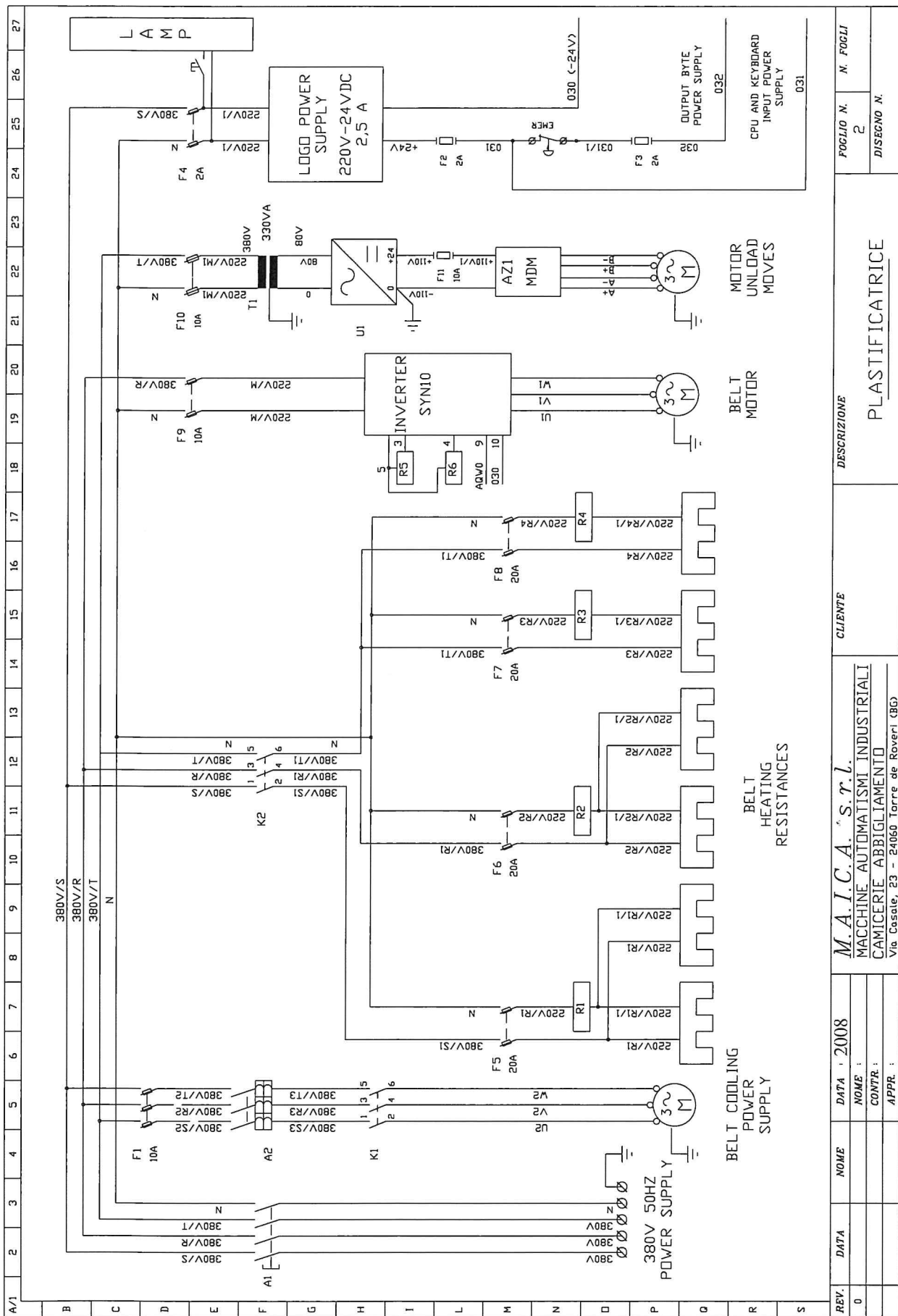
A/1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
B																										
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ADHESIVE MACHINE 2008



M.A.I.C.A.S.r.l.

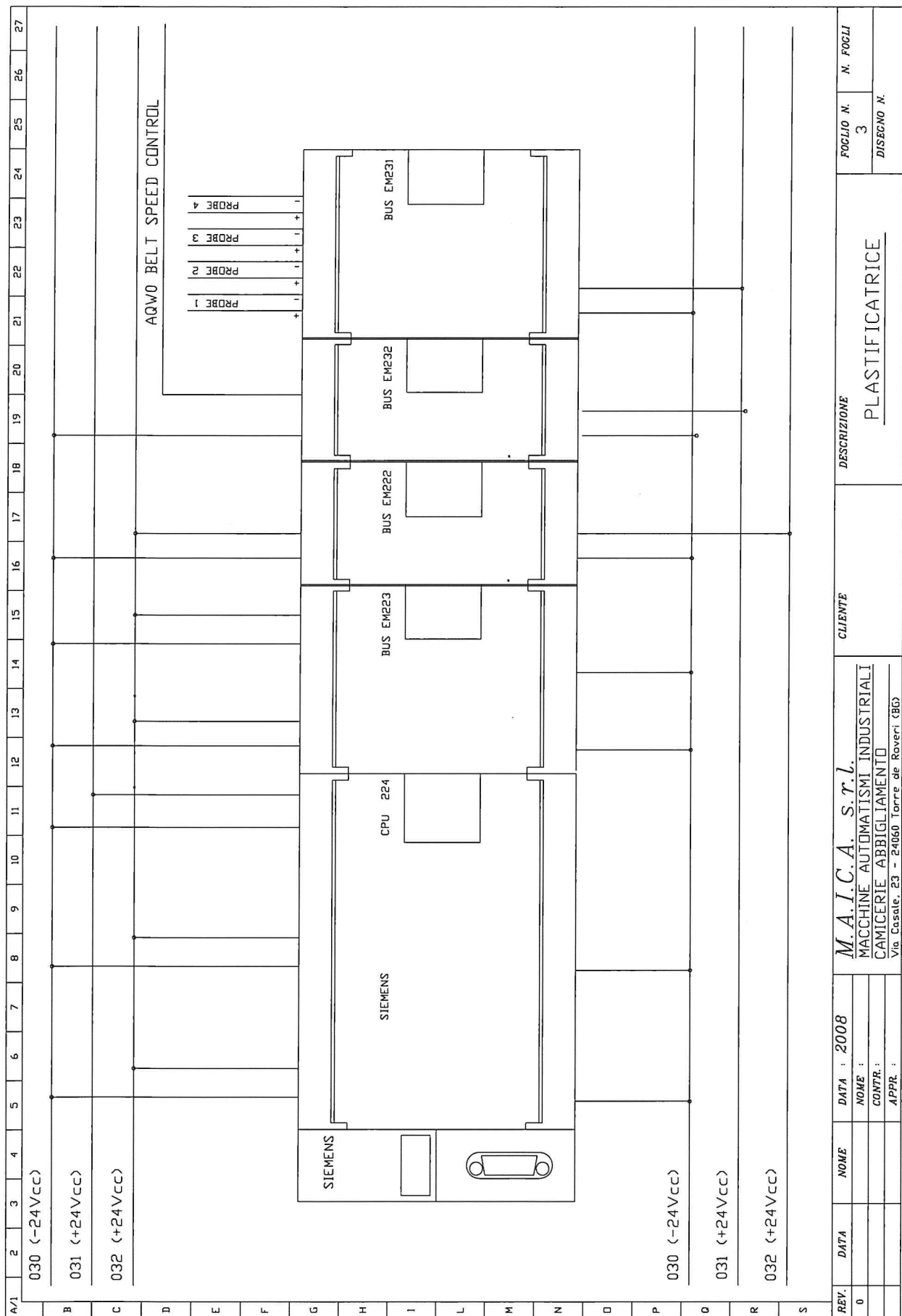
REV.	DATA	NOME	DATA : 2008	M.A.I.C.A. S.r.l. MACCHINE AUTOMATISMI INDUSTRIALI CAMICERIE ABBIGLIAMENTO Via Casale, 23 - 24060 Torre de Roveri (BG)	CLIENTE	DESCRIZIONE <u>PLASTIFICATRICE</u>	FOGLIO N. 1	N. FOGLI
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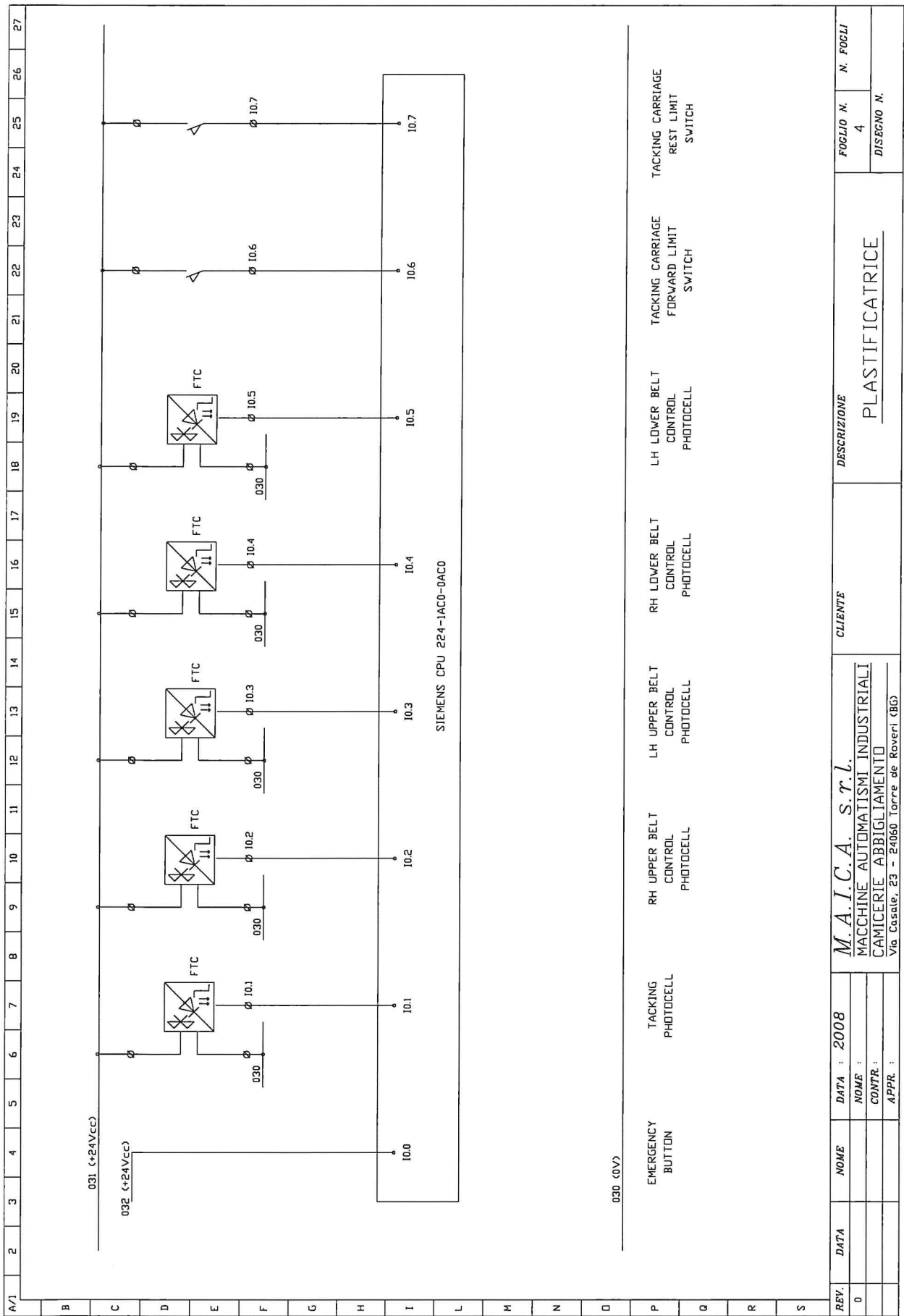


REV.	DATA	NOME	DATA	2008
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DESCRIZIONE	CLIENTE	FOGLIO N.	N. FOGLII
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Via Casale, 23 - 24060 Torre de Roveri (BG)			

DISCNO N.





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B																														
C	031 (+24Vcc)																													
D																														
E	030 (0V)																													
F	11.0																													
G	11.1																													
H	11.2																													
I	11.3																													
L	11.4																													
M	11.5																													
N	SIEMENS CPU 224-1AC0-0AC0																													
O	030 (0V)																													
P	POINTER HIGH LIMIT SWITCH																													
Q	POINT (D) UNLOADER LIMIT SWITCH																													
R	AVAILABLE																													
S	UNLOADING START PHOTOCELL																													
	AVAILABLE																													
	BELTS LIMIT ON RIGHT LIMIT SWITCH																													
	DESCRIZIONE																													
	CLIENTE																													
	M.A.I.C.A. s.r.l.																													
	MACCHINE AUTOMATISMI INDUSTRIALI																													
	CAMICERIE ABBIGLIAMENTO																													
	Via Cassale, 23 - 24060 Torre de Boveri (BG)																													
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