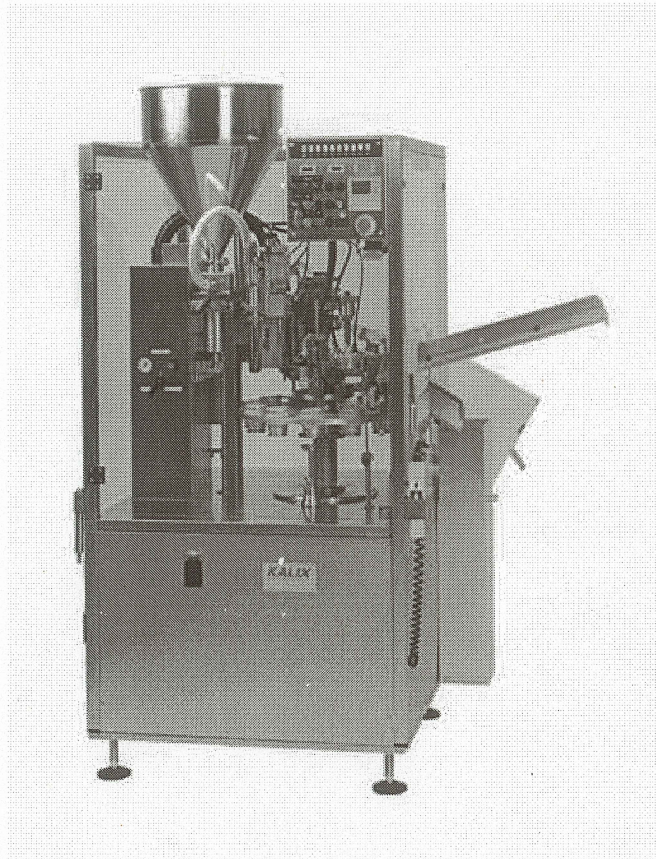




Z.A. de Courtaboeuf • n°4
4, avenue du Parana
LES ULIS
91978 Courtaboeuf Cedex • France
Tel 33 (0)1 69 18 05 00
Fax 33 (0)1 69 18 05 01
E-mail : commercial@kalix.fr

MACHINE MANUAL



KX 601 TYPE FILLER Type « Hot-Air »

Carefully study the whole machine documentation before attempting to use the machine!

AUTUMN HARP KX601 N° 9652

SUMMARY

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MACHINE CHARACTERISTICS

KALIX thanks you for choosing

the "KX 601" model filler.

Maximum production rate: 60 tubes a minute, varying according to the viscosity of the product, tube diameter, tube skirt length and the options.

Size adjustment: The machine can be adjusted according to the dimensions of the tubes and the physical properties of the creams. It is suitable for use with PE and coextruded tubes.

Dosing: 1 to 400 ml

Operation: The KX601 only needs one operator, who supplies the machine with empty tubes.

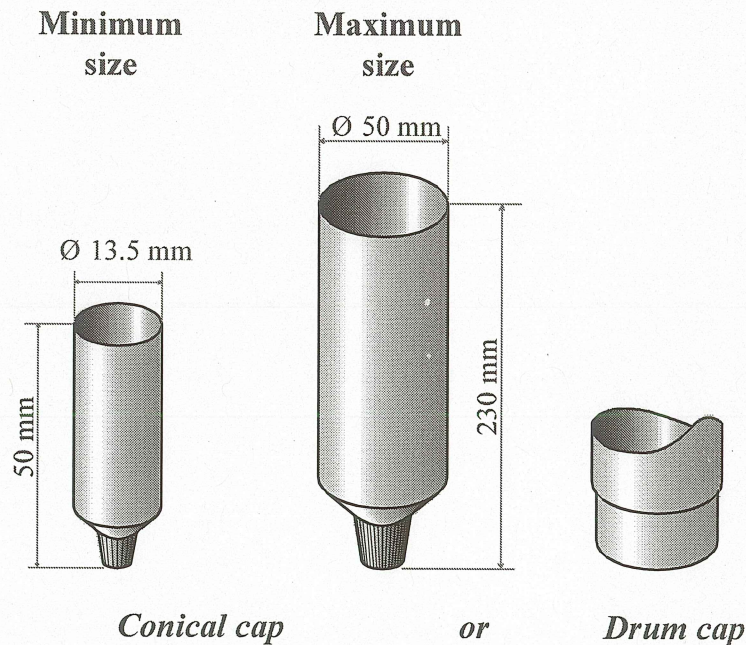
Noise level: Weighted equivalent continuous sound pressure level A, measured at the work station: 75 dB(A).

Minimum lighting: 400 lux.



The machine is not designed for use in an explosive environment .

Limits of components used by the machine



Nota: For other applications (different dimensions and shapes), please contact Kalix.



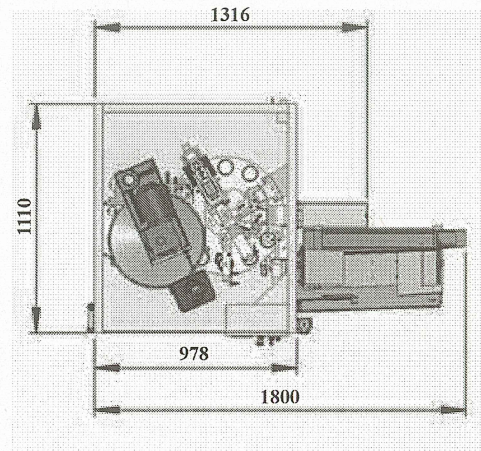
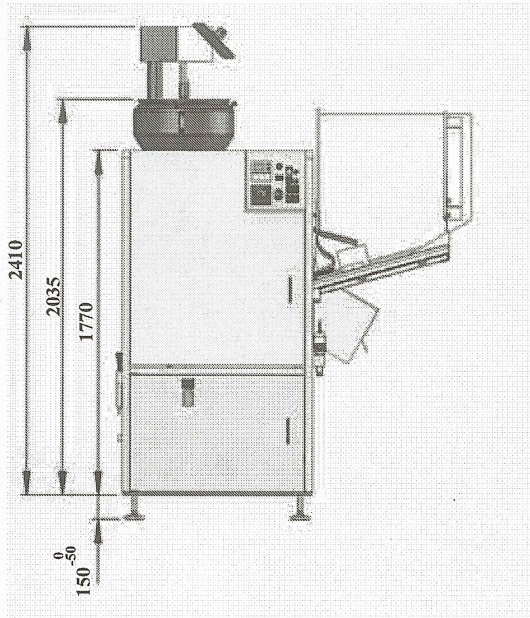
LAYOUT SPACE

USE

CHANGE OVER

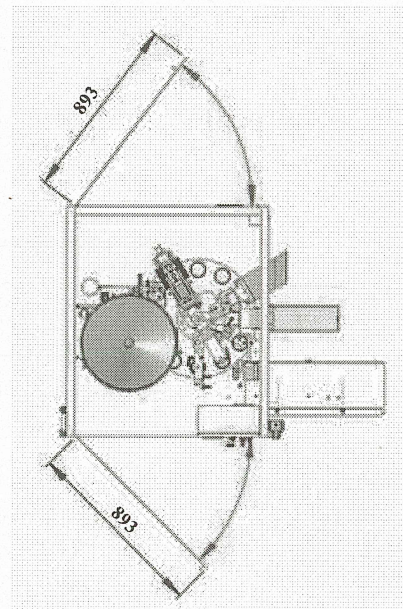
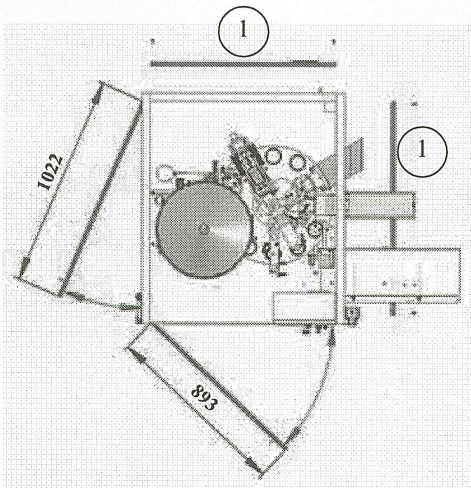
TECHNICAL DIRECTORY

MAINTENANCE



Lower housings:

Upper housings:



① Lower housings attached by screws



HANDLING AND INSTALLATION

DO THE FOLLOWING IN ORDER:

- Open the crate carefully.
- Examine the general condition of the machine (for damage caused by transport, oxidation).
- Remove the packaging from around the machine.
- Do a full check of any accessories that come with the machine.
- Do this check against the delivery note. Tell the carrier and KALIX immediately if there are any faults, i.e. defective or missing parts.

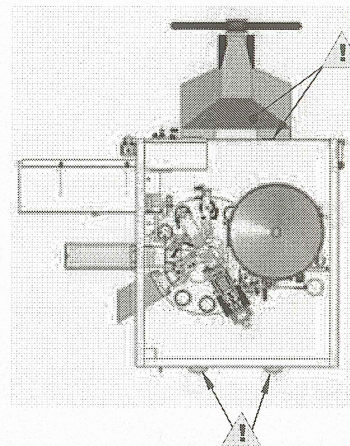
LIFTING THE MACHINE:



- Do not make contact between the fork uprights and the front machine housing.
- The forks must project in rear of the machine (minimum fork length 1200 mm)
- Insert the truck forks between the machine support jacks.

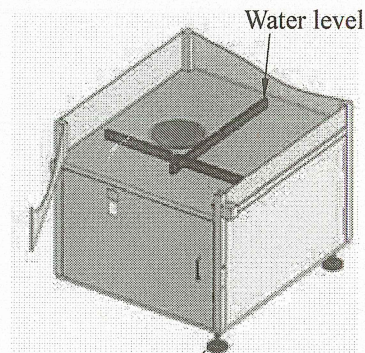
Overall machine dimensions (mm):

- Footprint: 1110 x 1800
- Total height: 2410 + 150
- Net weight: 750 kg



MACHINE SEATING:

- When the machine is in its final location, adjust the screw jacks using a spirit level.
- Make sure that the machine is stable on the jacks before commissioning.**
- Clean the whole machine.



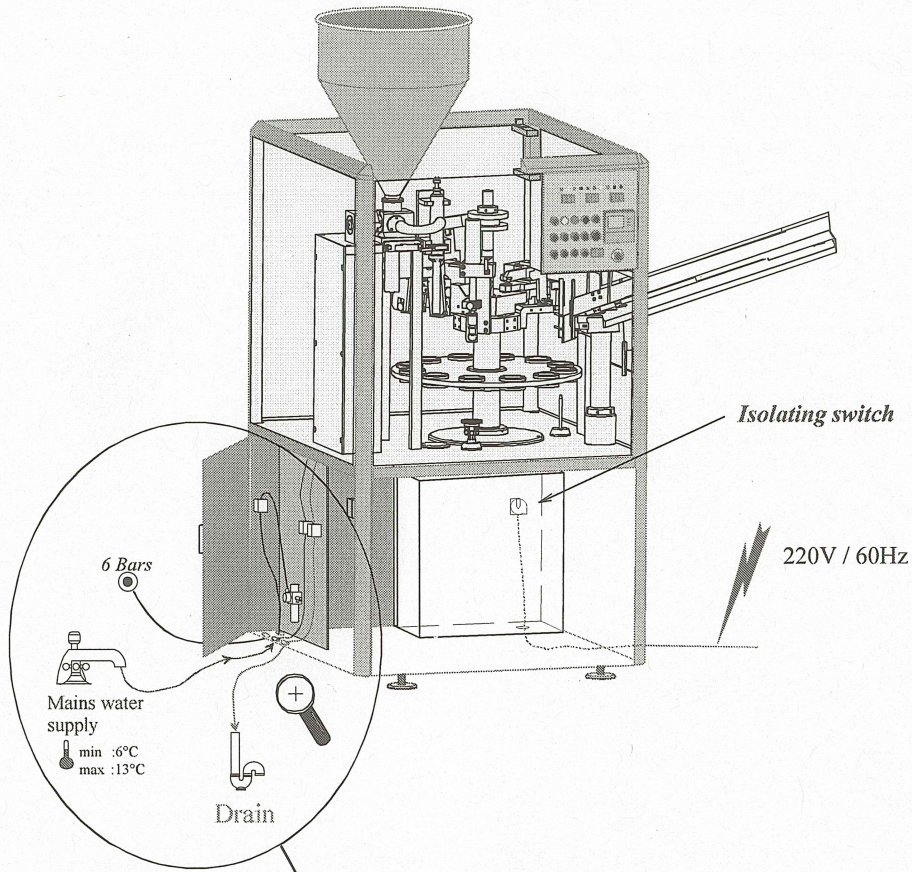
CONNECTION

USE

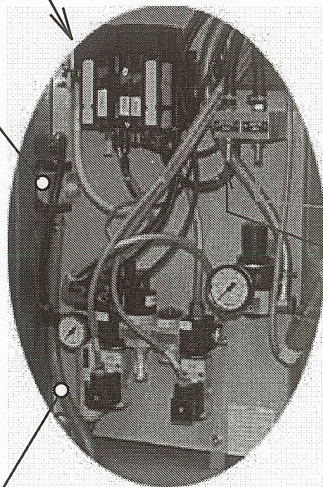
CHANGE OVER

TECHNICAL DIRECTORY

MAINTENANCE



Pneumatic stop valve
(padlockable valve)



Water circuit for cooling
the Hot Air unit

- OUTLET

- INLET

Compressed air supply
Necessary pressure 6 bars



AUTUMN HARP KX601 N° 9652

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CONNECTION

CONNECTION TO MAINS ELECTRICITY: ⚡

220 volts : use a 4G6mm² cable (three-phase + earth) to connect to the isolation switch.

Pass the electric cable through the special hole in the machine base plate.

TYPE MACHINE	
MACHINE TYPE / MASCHINENTYPE	: KX601 N° 9652
TENSION D'ALIMENTATION SUPPLY VOLTAGE / BETRIEBSSPANNUNG	: 220 V 60 HZ
TENSION DE COMMANDE CONTROL VOLTAGE / STEUERSPANNUNG	: 24 V --- HZ
TENSION DE SIGNALISATION LIGHTS VOLTAGE / MELDESPANNUNG	: 24 V --- HZ
PUISSANCE INSTALLEE INSTALLED POWER / INSTALLIERTE LEISTUNG	: 4 KVA
PROTECTION AMONT UPSTREAM SECURITY / ZULEITUNGSSICHERUNG	: 25 A
SCHEMA ELECTRIQUE ELECTRICAL DIAGRAM / SCHALPLAN	: DA1149
NUMERO DE PROGRAMME PROGRAM NUMBER / PROGRAMMNUMMER	: AV6C743

KALIX	
Z.A. de Courtaboef N°4 4 avenue du Parana LES ULIS 91978 Courtaboef Cedex France Tél. 33(0)1 69 18 05 00 Fax 33(0)1 69 18 05 01	CE CONSTRUCTEUR KALIX DATE 06-2006 TYPE KX601 N°9652

PNEUMATIC CONNECTION: (P)

Use a 15 x 23 armoured plastic hose.

Necessary pressure: 6 bars.

Flow rate : 50Nm³/h.

Connect the compressed air supply hose to the rear side of the machine.

Air quality (air compressed upstream of the machine): dry, oil-free air.

Dew point: 2.5°C.

HYDRAULIC CONNECTION: (HOT AIR HEAD)

Use two 9 x 13 armoured plastic hose.

Connect the water supply pipes to the left side of the machine.

Temperature: from 6 to 12°C.

Necessary pressure: mains.

Flow rate: 200 l / h.

PRECAUTION BEFORE STARTING:

Turn the handwheel until the plate has passed at least one unit:

The movement must be smooth and silent. If you feel an abnormal resistance, find the cause and remedy it.



TUBE CIRCUIT

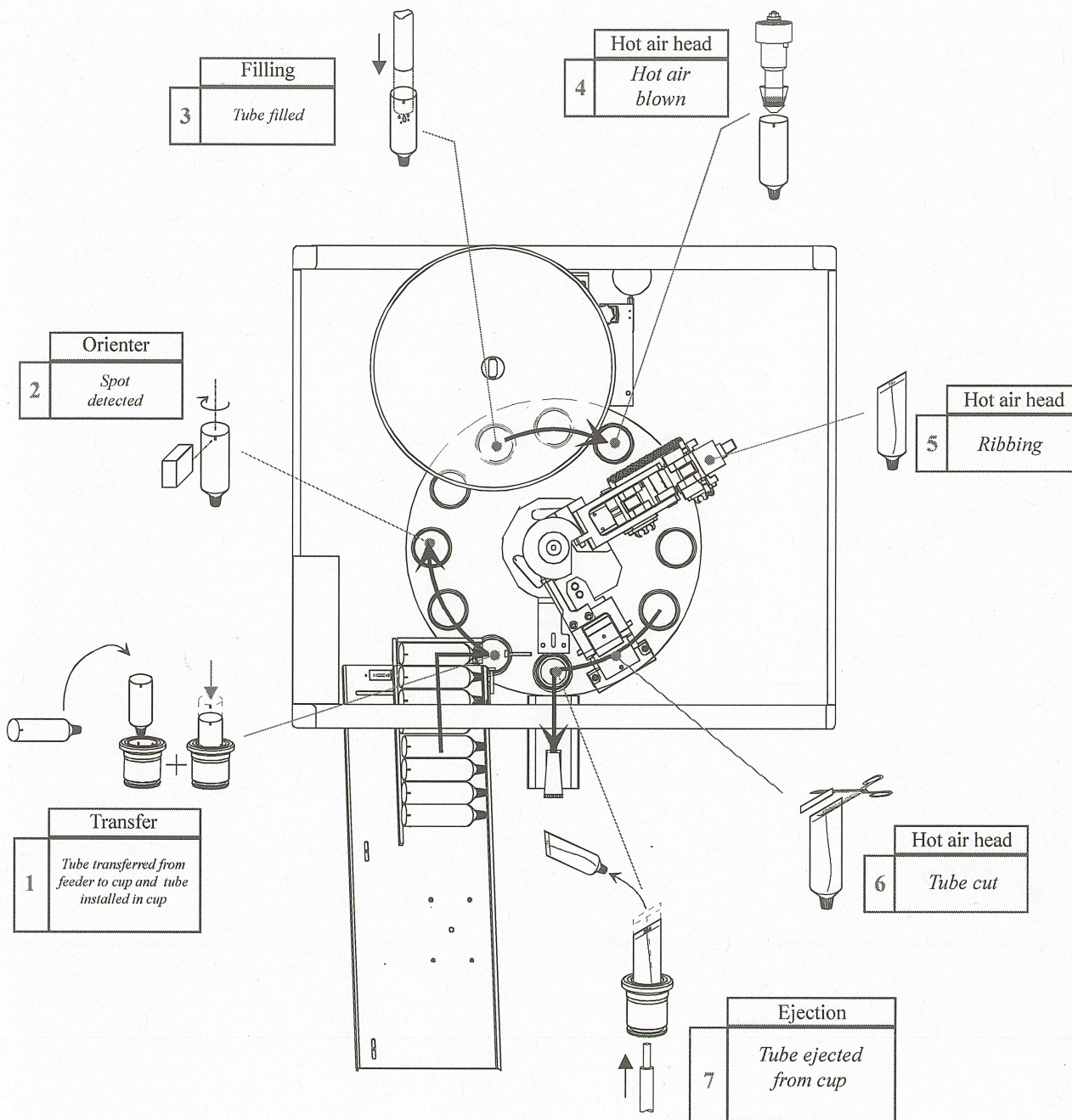
HOT - AIR HEAD

USE

CHANGE OVER

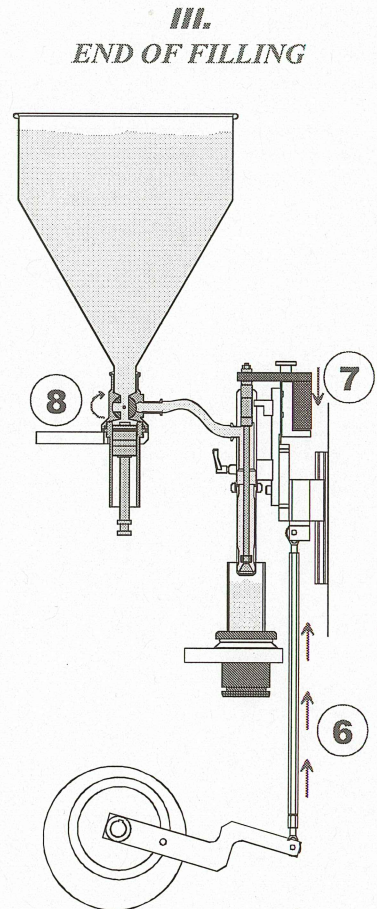
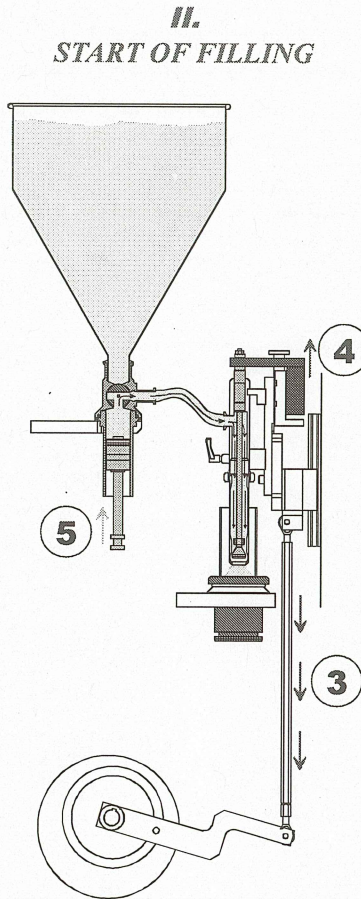
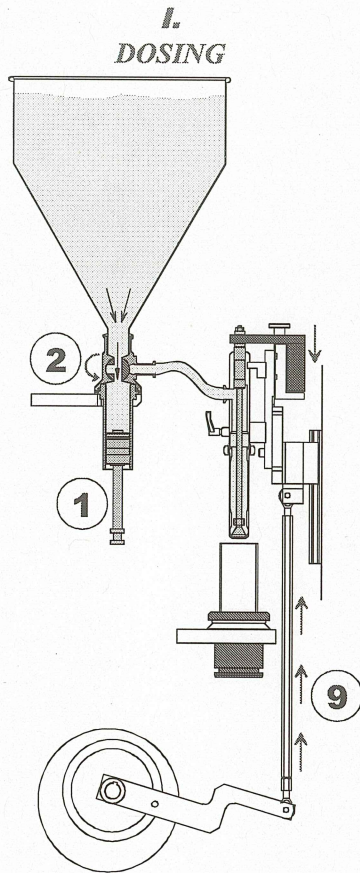
TECHNICAL DIRECTORY

MAINTENANCE



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PRODUCT CIRCUIT



① Product dosed. (piston moves down).

② 1/4 turn of plug.

③ Injector moves down into tube.

④ Shut-off valve opens.

⑤ Shut-off valve opens.

⑥ Injector moves up gradually. (Filling)

⑦ Shut-off valve closes. (End of filling)

⑧ 1/4 turn of plug.

⑨ Injector removed from inside tube.

⑩ Next tube filled.

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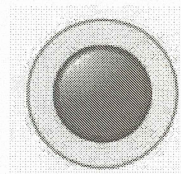
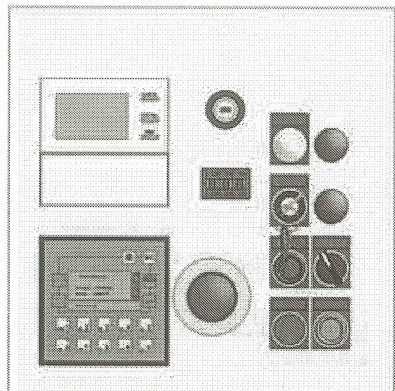
CONTROL PANEL

USE

CHANGE OVER

TECHNICAL DIRECTORY

MAINTENANCE



Emergency stop



Indicator announcing the powering



Loading on or off Step-by-step



Reset after default



Free



Stop the machine



Free



Start the machine



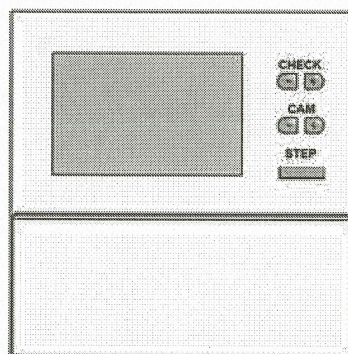
Running/Step-by-step control



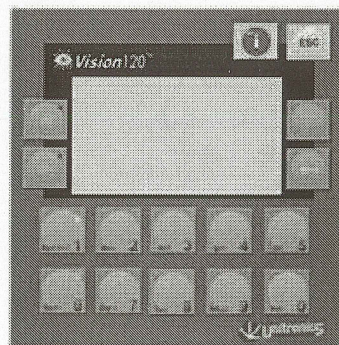
Machine speed adjustment



Orientation adjustment



Cam programmer.



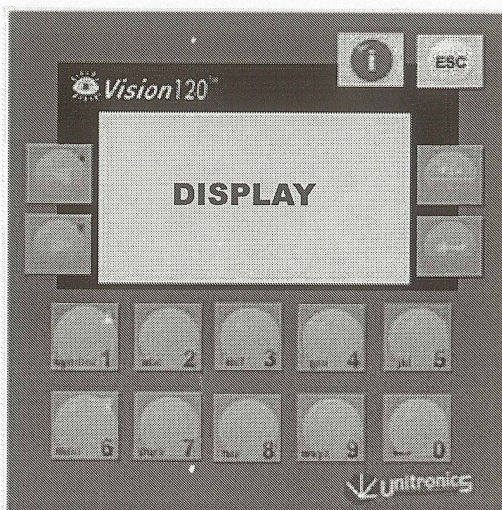
Display.



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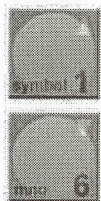
DISPLAY

GENERAL PRESENTATION



Buttons for accessing the specific "functions":

- Filling
- Orientation
- Welder, etc.



Movement arrows for accessing the various menus:

- Production reset
- Timing setting
- Counter setting
- Language choice.



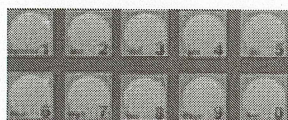
Edit button: entering values.



Saving button, "confirm".



Button to Cancel the entry before confirmation, and direct button to the main menu.



Alphanumeric keypad.
Data entry buttons.
Start/Stop buttons for specific functions.