

OMAC 330

EDGE DYEING MACHINE



OMAC S.r.l.

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S/n.....

Year of construction.....

Machine identification data and description:

Mod.: OMAC 330: Double head edge dyeing machine

S/n.:

Year of constructions:

Month:

General description:

Omac model 330 machine combines in one single assembly double head dyeing machine; in particular:

- Vertical edge dyeing machine, is suitable for all leather goods manufacturer. The machine is equipped with straight knurled roller of 20mm, on request, it can be supplied with shaped roller. Moreover, it is controlled by electronic speed variator.
- Horizontal edge dyer, suitable to color any kind of material, such as luggage, bags, wallets etc, also allowing ornamental embossing along the edges.



NOTE: Even though the use of the machine is easy and safe, we strongly recommend to read this manual carefully and follow the instructions before starting any operation.

Work cycles and settings can be selected through easy-to-use control panels placed in the front of the machine and safely accessible also during machine operation.

The three heads work in a totally independent way, thus allowing the use of the machine by two operators at the same time without mutual interference.

End users are not required to perform any maintenance or calibration procedure other than the ordinary cleaning of the machine, the replacement of rolls and control panels and, in general, all functions that can be selected using the controls placed in accessible areas of the machine.

Weight and dimensions:

Packing dimensions: L=85 cm H=50 cm D= 50 cm

Machine dimensions: L=73 cm H=43 cm D= 46 cm

Gross weight: 50 kg

Net weight: 47 kg



NOTE: The type of packaging may vary depending on the final destination.
Stand for machine is also available upon request (as shown in the picture)



Noise specifications:

In normal working conditions, the machine works continuously with a steady noise produced by the engine. The level of operator's daily exposure to noise, therefore, depends on the speed as well as on the duration of use of the machine.

A prototype machine at the manufacturer's site yielded the following maximum noise level:

Front:	<70dB A wtd.	Frequency Components: undetected
Side:	<70dB A wtd.	Frequency Components: undetected
Rear:	<70dB A wtd.	Frequency Components: undetected



NOTE: Noise values refer to a correctly installed machine working in normal conditions. Frequency components have been recorded using 1/3-octave filters compliant with ANSI Class III specifications.



Electrical specifications:

Power supply: 3 phase 400V 50/60Hz, frame connected to round fault protection (Class I)

Normal power: 600W

A thermal relay protects the machine from over-currents or short circuits caused by failures in the internal power supply. UNDER NO CIRCUMSTANCES such protection shall be considered as a substitute of the protection devices that the electrical system to which the machine is connected should always have.



NOTE: before connecting the machine to the electrical system, always make sure that the voltage of the electrical system is the same as the one specified in the plate placed on the machine near the power cable.



WARNING

ONLY QUALIFIED PERSONNEL SHALL CONNECT THE MACHINE TO POWER SUPPLY IN COMPLIANCE WITH THE SAFETY REGULATIONS IN FORCE.

SPECIAL ATTENTION SHALL BE PAID CONNECTING THE MACHINE TO THE GROUND SYSTEM AND VERIFYING ITS PROPER FUNCTIONING.

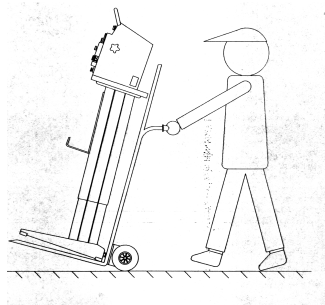
MACHINE SET UP



Unpacking and installation:

The machine comes in a cardboard box with internal protection material.

Move the machine using a fork truck capable of lifting at least 80 Kg. Loads and place it



on an adequate workbench.

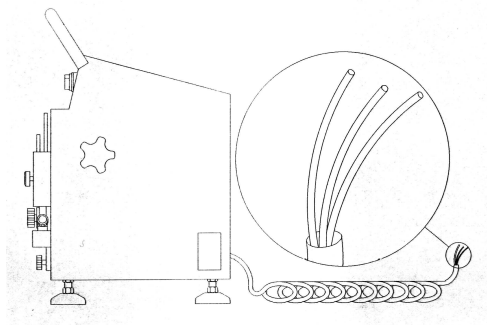
Make sure before hand that the workbench is stable, horizontal and able to sustain the weight of the machine in motion. If an adequate workbench is not available, you can order the original OMAC machine base. All subsequent moving of the machine – machine devoid of the packing material-shall be performed by two people, making sure to grab the machine by the base; we recommend to follow the instructions given by the Italian Legislative Degree 626/94 for handling heavy loads.

Choose an installation site so that adequate room is left around the machine, which in any case should never be less than 50 cm on each side.



Power supply:

The machine comes with an electrical cable rated for the required voltage. Plugs should be applied by high qualified personnel only, when OMAC technicians are not available.





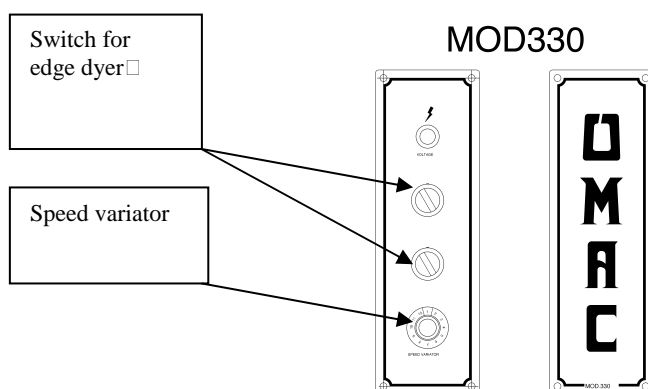
OPERATING INSTRUCTIONS

Before starting to operate the machine, check the integrity of all its parts and clean the external mechanical parts from a possible protective oil layer. These operations shall be carried out when the machine is disconnected from the power supply.



Start up:

It is possible to start the two head separately using the lit knob switches. A light will turn on showing the presence of power.



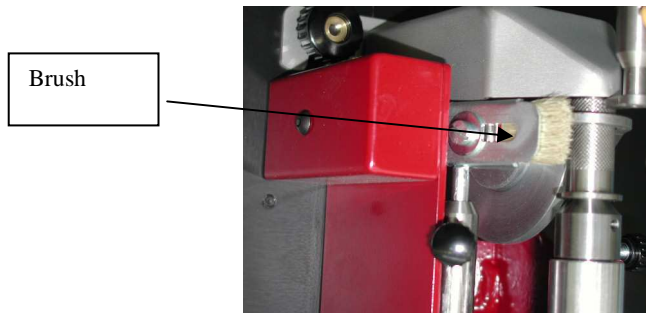


Main settings:

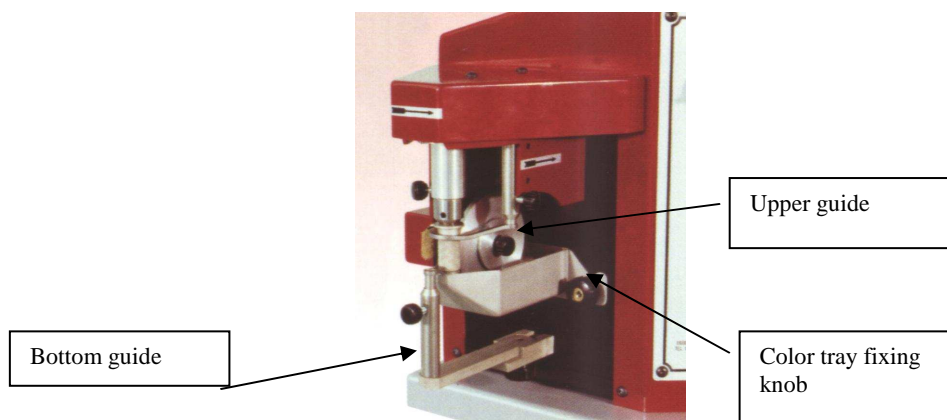
1) Horizontal edge dyer:

First remove the paint tray, fill it up to $\frac{3}{4}$ of its capacity, and then lock it to the machine again pressing upwards.

Start the machine and adjust the rotation speed of the dyeing roller using the knob placed on the edge dyers control panel (see below picture). Adjust the brush so as to optimize paint distribution on the dyeing roller.

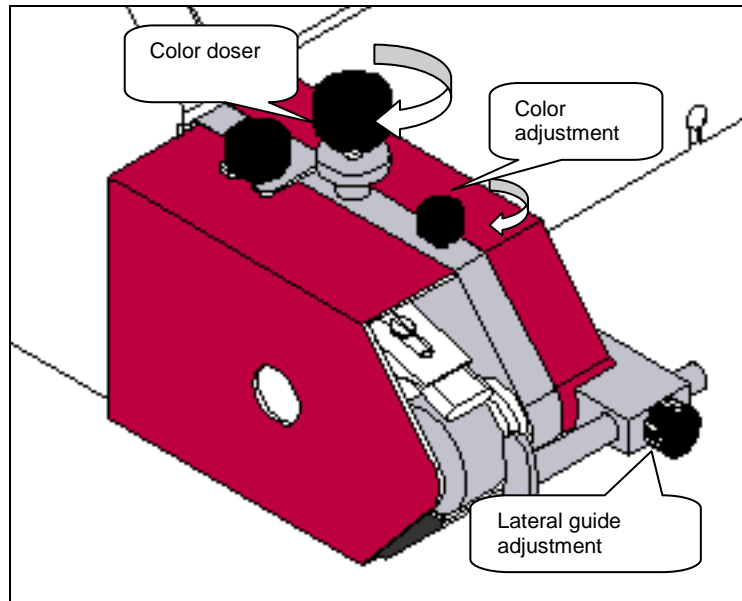


For your convenience, the dyer also features adjustable guides as a support of the material used during machine operation.



2) Vertical edge dyer:

Dye quantity can be adjusted continuously, while the machine is running, by turning the relative knob.



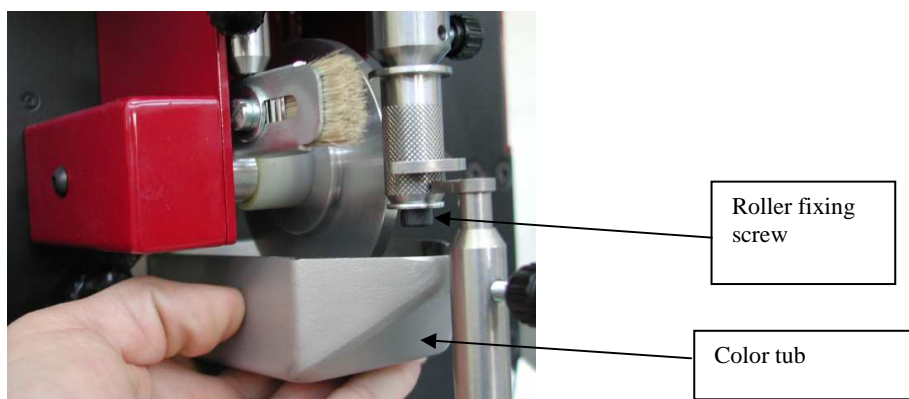
To adjust the position and pressure of the dye applicator brush, loosen the corresponding knob, manually adjust the position of the brush and tighten the knob once more.

The machine is fitted with a handy lateral guide to make work easier; to adjust the position of the guide, loosen the horizontal knob, move the guide to the required position and tighten the knob once more.

4) **Replacement roller of horizontal dyer:**

To better adapt to the varying characteristics of paint and material used in the manufacture of leather goods, the OMAC model 330 dyeing rollers can be easily removed.

To remove the rollers of the edge dyeing head, first remove the paint tray and then release the screw place under the dyeing rollers using a 4mm hexagonal wrench (supplied with machine).

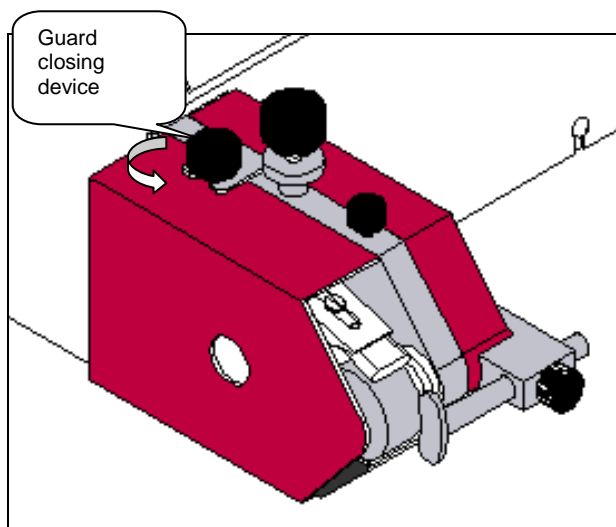


Replace the roller and repeat the above operation, making sure that the knobs have been securely fastened.

Replacement roller of the vertical dyer:

To remove the roller, brush and tank proceed as follows:

- Disconnect the machine from the power supply
- Loosen the lock knob and turn the guard over the side



- Unscrew the roller stop nut completely (box wrench n°4) and remove the roller
- Loosen the stop screw of the brush and remove it

To remount the pieces after washing, carry out the above operations in reverse order

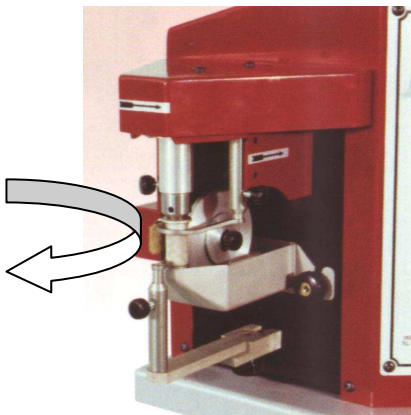


Machine operations:

After making the adjustments indicated in the previous chapter, the machine can start production; please remember, however, that machine reliability and long life depend on it being used appropriately for its characteristics and capacity, together with sufficient operator preparation.

How to use edge dyer:

Simply bring the edge of the object to be dyed near the vertical knurled roller. If necessary, use the previously adjusted guides.





Warnings and information on safety devices

The OMAC model 330 edge dyeing machine does not constitute per as a hazard to its users. Nonetheless, all necessary measures have been taken in order to reduce the likelihood of any injury.

1. integral protection of all working parts
2. Electrical system compliant with the latest safety standards.

Immediately turn off the machine and contact the OMAC technical assistance in case of abnormal functioning. Users should not perform any maintenance procedure on the machine other than ordinary cleaning of working parts and replacement of dyeing roller.

Rollers should be periodically cleaned from possible residues resulting from machine operation using a hard short-bristled brush soaked in detergent. The machine exterior can be cleaned using a cloth slightly soaked in water and detergent. Do not use solvents, thinners and similar products to avoid damaging the exterior paint.

Finally, we would like to remind our users that law strictly prohibits to modify or tamper with the machine in such a way that would alter its safety features.

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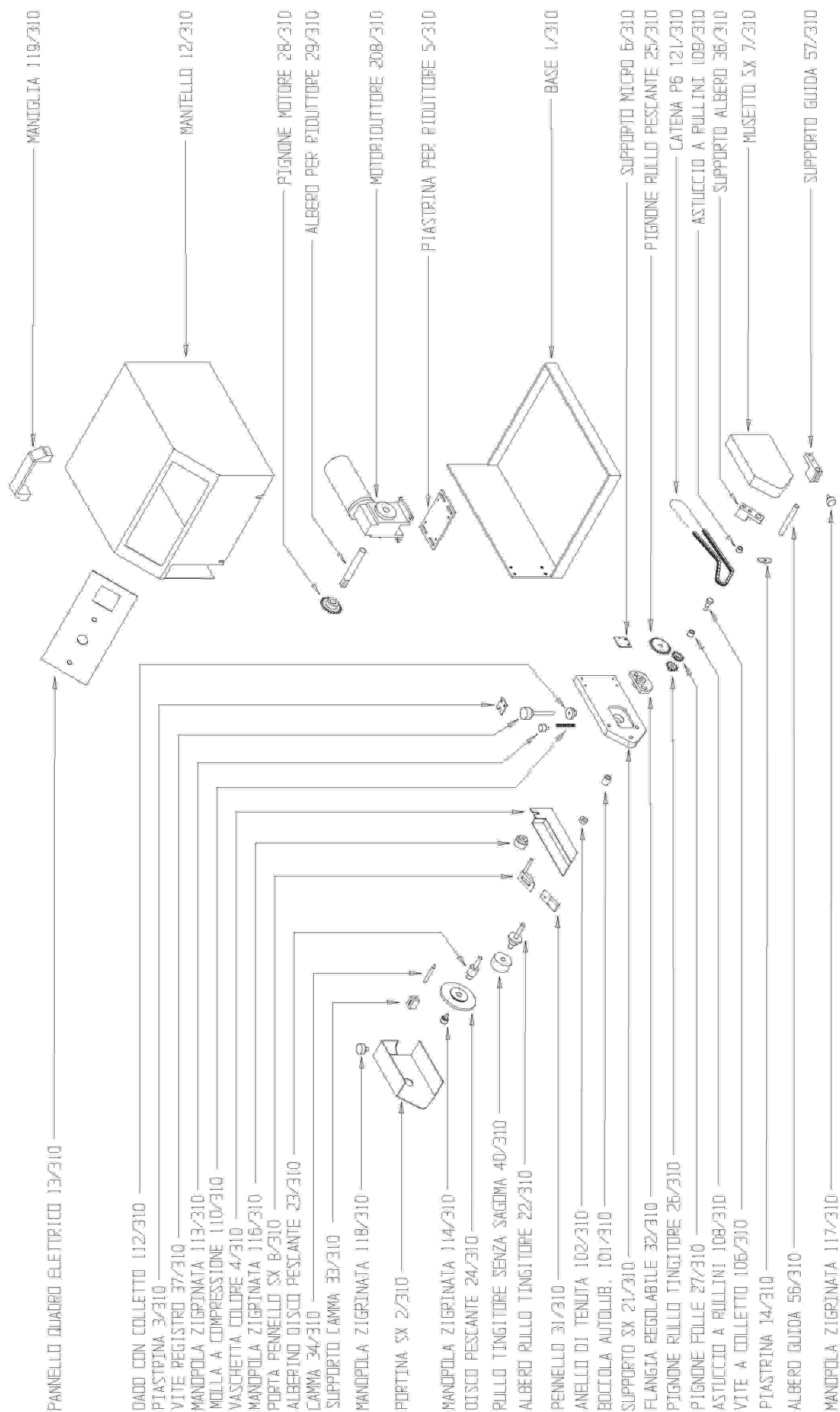
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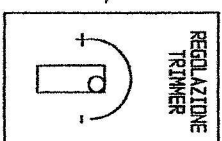
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Attachement:

- Electric diagram
- Spare parts list



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Esplosione dei pezzi di ricambio		
DATA: 09-03-99		



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