

OMAC 340

Dyeing Machine



OMAC S.r.l.

Via Germania 29 Z.I. Sud

35127 PADOVA, ITALY

Tel. 049-8705227- Fax 049-8707768

S/N

Year

Machine identification card and description:

Model: OMAC 340, Double-head edge dyeing machine

S/N:

Year:

Month:

General Description:

The OMAC model 340 machine combines in one single assembly an edge dyer and a belt dyer, and more specifically:

- A vertical belt dyer with variable optical speed control, which allows first to dye the tip and then both edges of the belt, or any strip of leather, in an easy and quick way.
- A horizontal edge dyer suitable for any dyeing need in the manufacture of luggage, bags, wallets and leather goods, also allowing ornamental embossing along the edges.



CAUTION: 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 two 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.

Under no circumstances OMAC s.r.l. shall be considered liable for any damage resulting from failure to comply with the operating instructions and/or performing unauthorized maintenance or adjustment procedures.

Weight and dimensions:

Packing dimensions:	W=75 cm	H=55 cm	D= 45 cm
Machine dimensions:	W=65 cm	H=43 cm	D= 37 cm
Gross weight:	40 kg		
Net Weight:	37 kg		



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



Noise specifications:

In normal working conditions, the machine works continuously with a steady noise produced by the engine. The level of operators' 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 levels:

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



CAUTION: 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: three-phase 400V 50/60Hz, frame connected to ground fault protection (Class I)

Nominal 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.



CAUTION: 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.

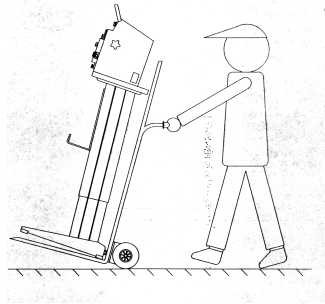
MACHINE SET UP



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 50-kg loads and place it on an adequate workbench.



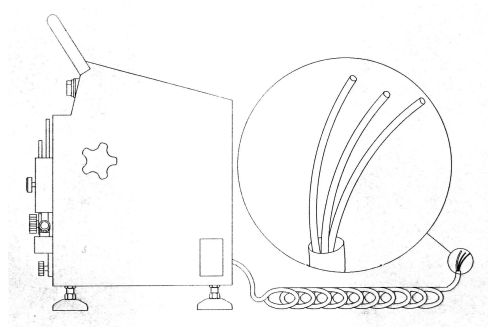
Make sure before hand that the workbench is stable, horizontal and able to sustain the weight of the machine in motion. If an adequate workbench is not available, you can order the original OMAC machine base. All subsequent moving of the machine – machine devoid of the packing material – shall be performed 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 qualified personnel only, when OMAC technicians are not available.





OPERATING INSTRUCTIONS

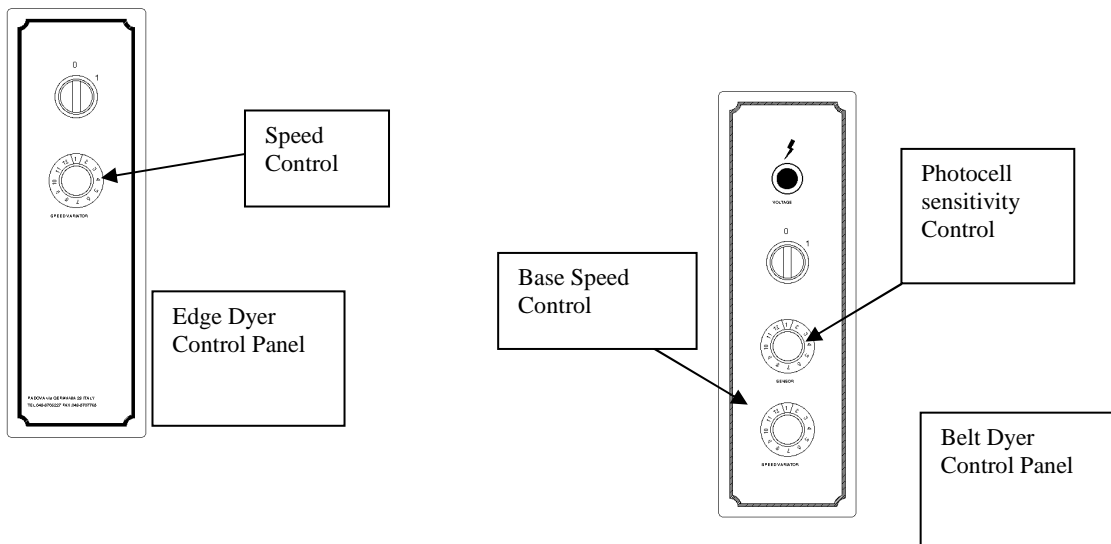
Before starting to operate the machine, check the integrity of all its parts and clean the external mechanical parts from a possible protective oil layer. These operations shall all be carried out when the machine is disconnected from the power supply.



Start up:

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

Spare Parts

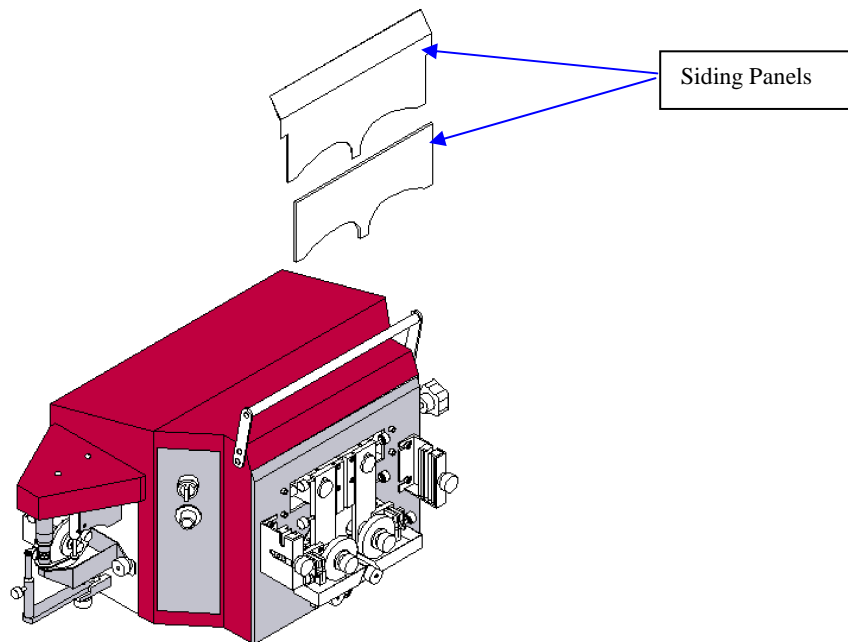




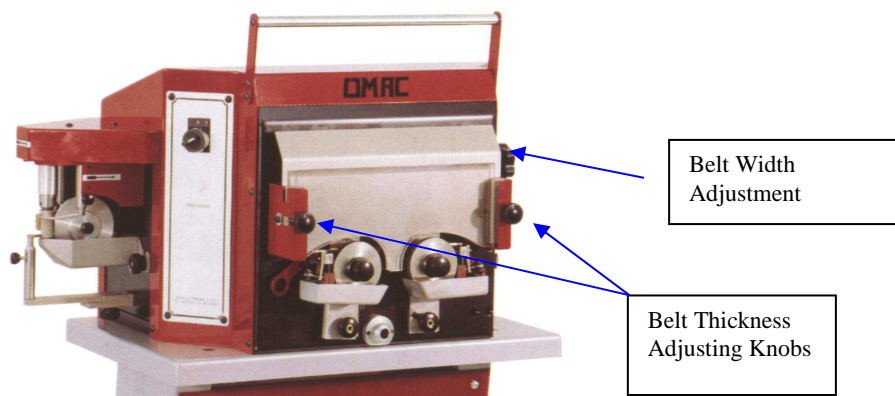
Main Settings:

1) Belt dyer (front of the machine):

First choose the siding panels that better fit the width of the leather strips, whose edges are to be dyed, and insert them in the appropriate slots.



Select the thickness and width of the strip to be dyed adjusting respectively the front knobs and the one on the right side of the machine.



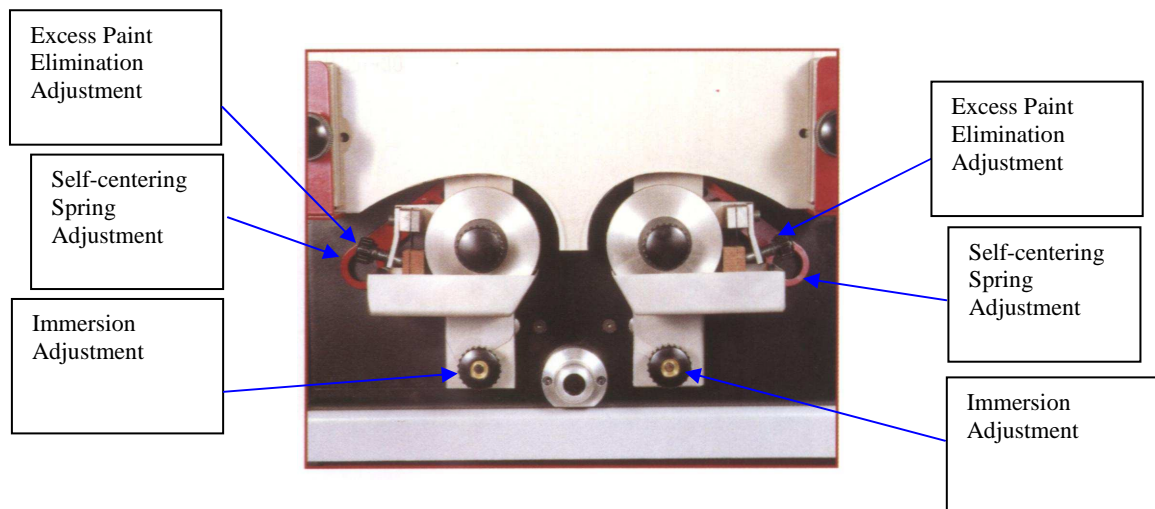
The dyeing rollers self-adjust to the width of the strip to be dyed, selected by the operator.

To optimize self-adjustment to the texture and stiffness of the material to be processed, it is possible to set the spring adjustments.

Pour in the trays enough paint to ensure adequate dipping of the rolls, then select the right base speed adjusting the knob placed on the control panel of the belt dyer (see picture on page 6).

The selected speed should allow an even distribution of the paint on the rolls, depending on the physical characteristics of the desired color.

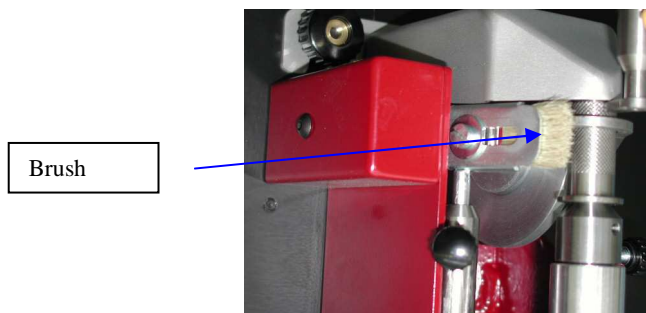
In order to optimize roll dipping, it is also possible to set the knobs for immersion adjustment and excess paint elimination.



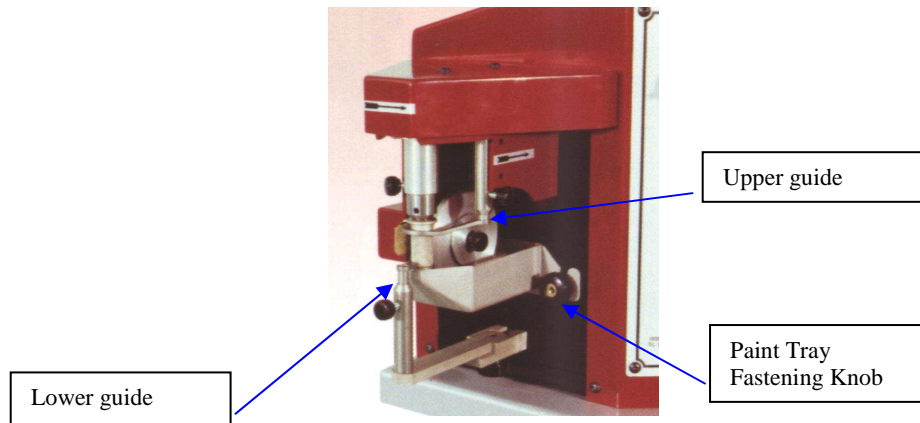
2) Edge Dyer (left side of the machine):

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 roll using the knob placed on the edge dyer's control panel (see picture on page 6). Adjust the brush so as to optimize paint distribution on the dyeing roll.



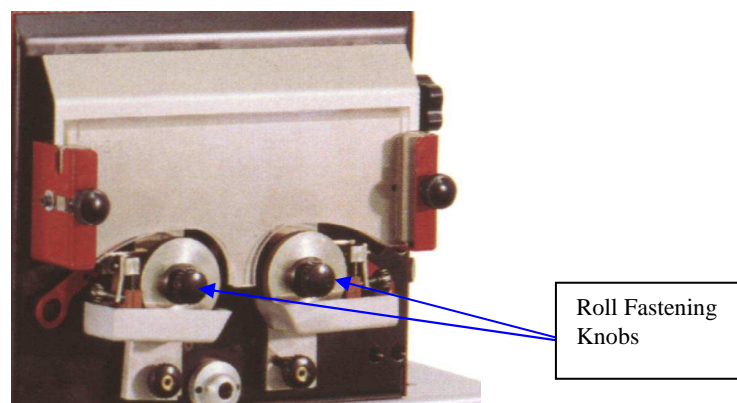
For your convenience, the dyer also features adjustable guides as a support of the material used during machine operation.



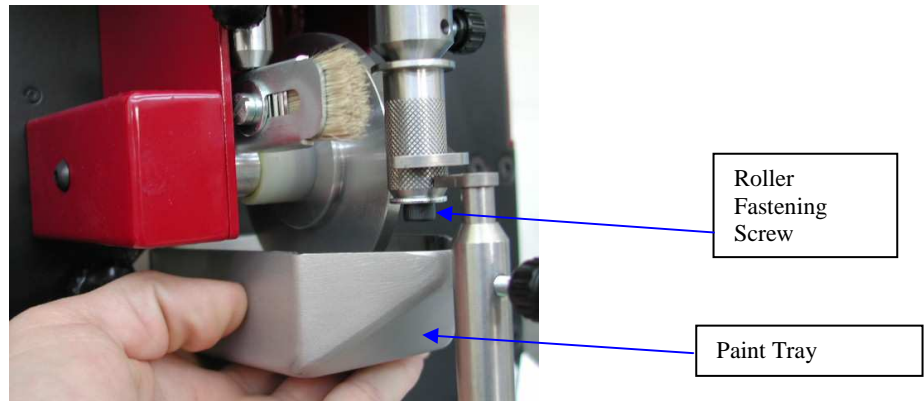
3) How to replace the rolls:

To better adapt to the varying characteristics of paint and material used in the manufacture of leather goods, the OMAC model 340 dyeing rolls can be easily removed.

To remove the rolls of the belt dyeing head from their sites, simply loosen and unscrew the knurled knobs (see picture), replace the rolls, and finally make sure that the rolls have been correctly positioned and the knobs securely fastened.



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



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

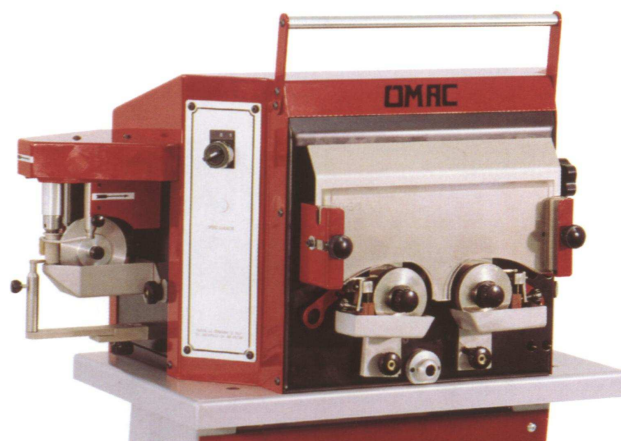
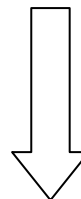


How to use the machine:

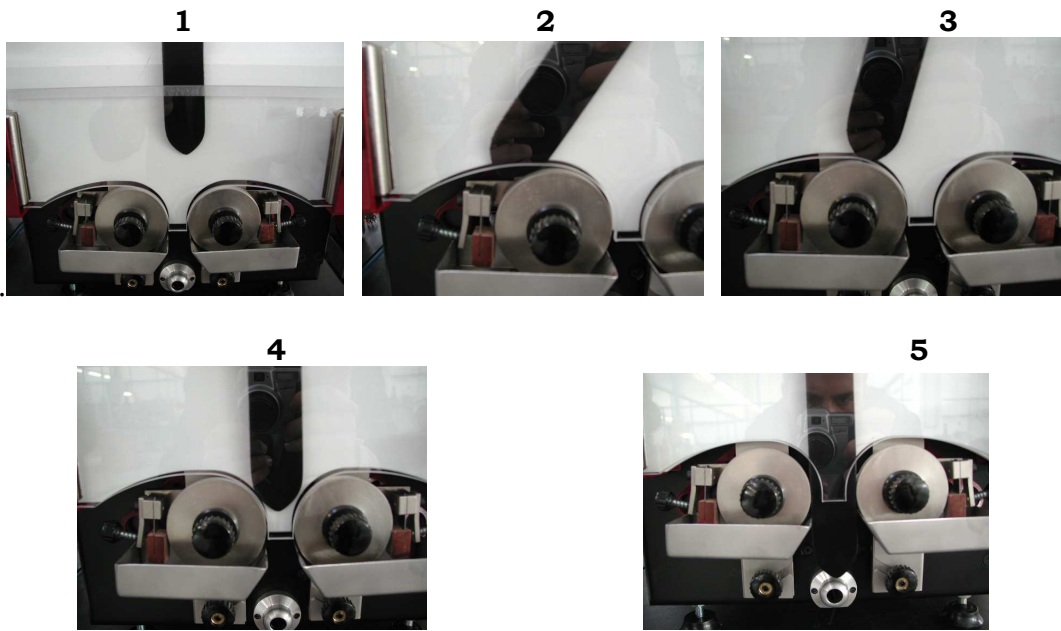
Once all the adjustments described above have been completed, the machine can be started up. However, one should never forget that machine's dependability and long-lasting performance are strictly dependent on its correct use and inherent characteristics, as well as well-trained personnel.

How to use the belt dyer:

Once the dyer has been started, insert the tip of the strip to be dyed in the slot between the siding panels until it is caught by the rolls. The strip is automatically dyed and then released to the operator.

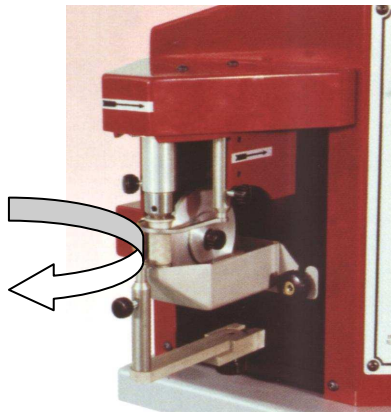


Alternatively, first dye the tip of the strip, refer to the following photographs' sequence.



How to use the edge dyer:

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





Warnings and Information on safety devices

The **OMAC** model 340 edge dyeing machine does not constitute per se 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 rolls.

Rolls 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 the law strictly prohibits to modify or tamper with the machine in such a way that would alter its safety features.

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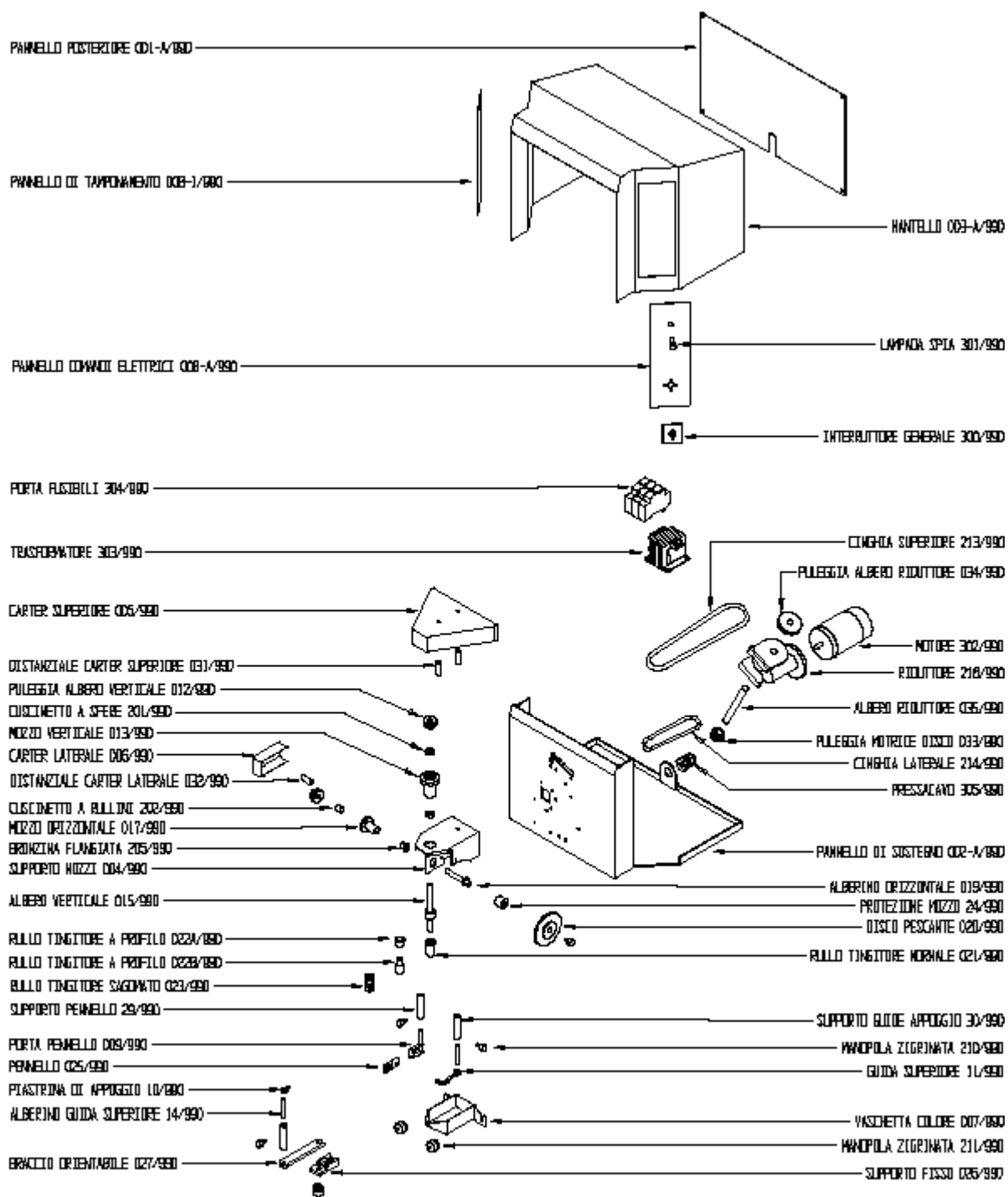
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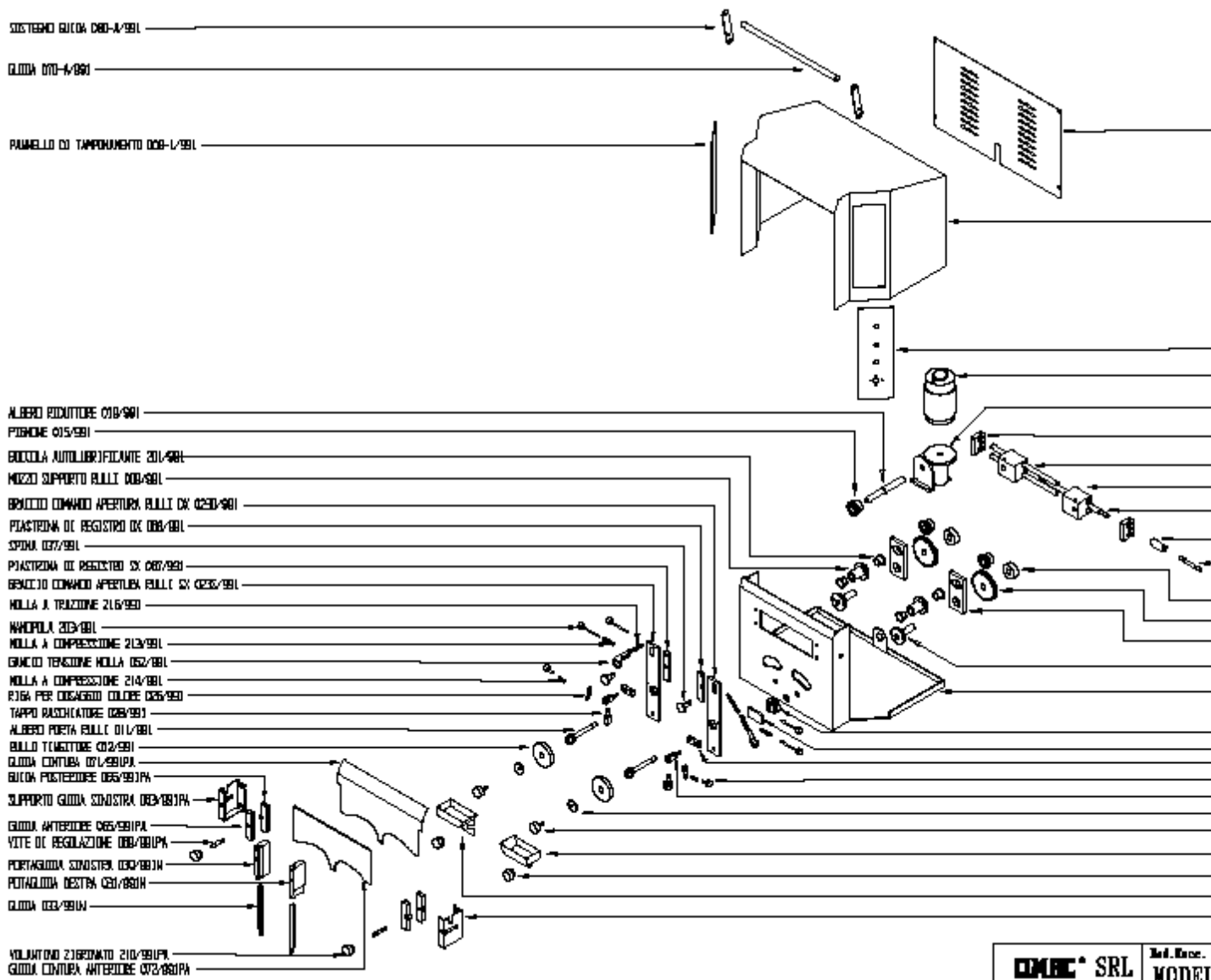
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Attachments:

- Electrical Drawing
- Spare Parts List



OMAC SRL	Ind. Incc.	Tavola X
	MODELLO 990	1
Esplosa dei pezzi di ricambio		001-24-06-90



OMC SRL Mod. Mec. MODEL
 Esploso dei pezzi meccanici