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graphic field

semiautomatic screen printing machine

ECO MATIC 819



Description

The screen printing machine model **ECO MATIC 819** has been designed and built to print **paper, cardboard and plastic sheets, wooden panels, metal and glass sheets.**

Automatic ink recovery system

Screen printing machines have a flaw: after some prints, the ink slips at the bottom of the screen and the user is forced to bring it back with a spatula. Thanks to the automatic ink recovery system, the user no longer must do this operation.

During printing, the squeegee and scraper move between two limit switches. When the system is activated, the squeegee and scraper make a longer stroke in order to get the ink that has slipped at the bottom of the screen and bring it back for subsequent prints.

The user can choose whether to activate the system after each print, after a certain number of prints or to deactivate it (this in case the length of the screen does not allow the use of the system).

Full cover printing? No problem!

The machine is equipped with the Synchroprint system: the screen gradually lifts from the printing table as the squeegee moves forward.

This system is excellent for most jobs, but it is not enough when printing full cover jobs, that is, when you must print the whole surface of the material.

For optimal results when printing full cover jobs, the printing head must not open immediately after printing, but wait for a moment, so that the screen fabric can detach completely from the material just printed.

From the machine control panel, it is possible to set the required waiting time before the printing head opens. In this way, printing full cover jobs is no longer a problem, but it is a piece of cake!

One router ... endless possibilities! (option)



ECO MATIC 819 can be equipped as option with a latest generation **Ethernet / Wi-Fi router**.

Thanks to this device, the possibilities of the machine are greatly expanded.

Remote service

In the event of an electronic fault, Mismatic engineers can connect to the machinery directly from the offices in Milan (Italy) to check for any anomalies and, if needed, make the necessary changes to the software of the machine.

The machine can also be controlled from tablets and smartphones

Thanks to a **VNC server**, **ECO MATIC 819** can also be controlled remotely from tablets and smartphones (iOS and Android). This technology is very convenient in some situations: for example, in cases where the machine is large and its monitor is distant from the area in which we are operating, or, to remotely monitor the production of the machinery.

Free software updates

Each software update of the machine is released free of charge to the customer.

Safety

All the data flow (in and out) of the router passes through a **secure VPN network with ISO 27001 Security Certification**.

Technical data	36 x 51	51 x 76	71 x 106	81 x 131	101 x 141
<i>Printable materials:</i>	flexible materials as paper, cardboard and plastic sheets and rigid materials as wooden panels, metal and glass sheets				
<i>Max printing size¹:</i>	360 x 510 mm	510 x 760 mm	710 x 1060 mm	810 x 1310 mm	1010 x 1410 mm
<i>Min material thickness:</i>	paper from 100 g/m ²				
<i>Max material thickness²:</i>	20 mm				
<i>Max cycles per hour³:</i>	700	650	600	450	400
<i>Electrical supply⁴:</i>	400 V three-phase + neutral, 50 Hz				
<i>Installed power:</i>	1.5 kW	2.5 kW		4 kW	
<i>Working pressure⁵:</i>	6÷7 bar				
<i>Overall dimensions: (L x W x H)</i>	1050 mm x 1200 mm x 1500 mm	1250 mm x 1350 mm x 1500 mm	1550 mm x 1550 mm x 1500 mm	1850 mm x 1650 mm x 1500 mm	1950 mm x 1850 mm x 1500 mm
<i>Printing table height:</i>	adjustable 950÷1100 mm				
<i>Net weight:</i>	250 kg	350 kg	400 kg	550 kg	600 kg
<i>Usable screens:</i>	wooden or metallic frames				
<i>Screen thickness range:</i>	up to 40 mm				
<i>Usable inks:</i>	traditional and UV screen printing inks				

[1] Any other printing size available on request.

[2] Higher thickness available on request.

[3] Given values without considering the material loading and unloading time.

[4] Any other three-phase electrical supply available on request.

[5] The compressor is not included.

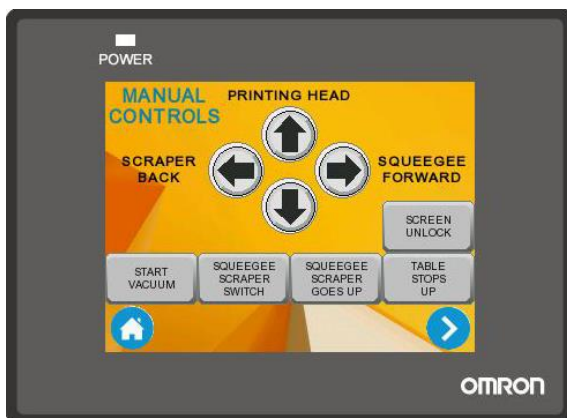
To improve the quality of the product, the Mismatic Company can do modifications in the manufacturing without any obligation to notify the same to the Customer.



*semiautomatic screen printing machine model **ECO MATIC 819** +
automatic off-feeder model **LVF 819** +
one lamp UV dryer model **MINI***

Standard features

- **Material loading and unloading:** manual
- **Material positioning on the printing table:** against automatic rollaway stops with cylindrical shape and made of Nylon
- **Printing head opening:** clamshell, with mechanical system with electric motor
- **Printing head height from printing table during screen cleaning operation:** 500 mm
- **[] screen holder:** adjustable; possibility to adapt different sized screens
- **Screen insertion/extraction:** front or side of the machine
- **Screen lock/unlock:** automatic
- **Squeegee and scraper independent speeds**
- **Squeegee and scraper speed:** adjustable by control panel
- **Squeegee and scraper pressure:** adjustable
- **Squeegee and scraper slope:** adjustable
- **Printing stroke:** adjustable by limit switches
- **Printing repeat system:** from 1 to 10 repeats. This feature is very useful when we use low covering inks, but we need a high coverage
- **Automatic ink recovery system**
- **Off-contact distance:** automatic Synchroprint adjustable up to 30 mm
- **Drilled INOX steel printing table**
- **Printing table equipped with super powerful vacuum system**
- **Printing table micrometric adjustment:** by X-Y axes
- **Control panel on board equipped with colour touch-screen LCD monitor:** all monitor buttons are in your language!
- **Four working modes:** manual, step-by-step, single and automatic with timer



LCD monitor



LCD monitor

Optional features

- **Ethernet / Wi-Fi router**
- **Ethernet / Wi-Fi / 4G router:** the device has a SIM card (not included) slot

The machine is equipped with

- #1 squeegee
- #1 scraper
- #1 pedal to start the printing cycle

The machine can be equipped with

- the automatic off-feeder model **LVF 819**
- the one lamp UV dryer model **MINI**



↻ automatic off-feeder
model **LVF 819**

UV dryer ↻
model **MINI**

