

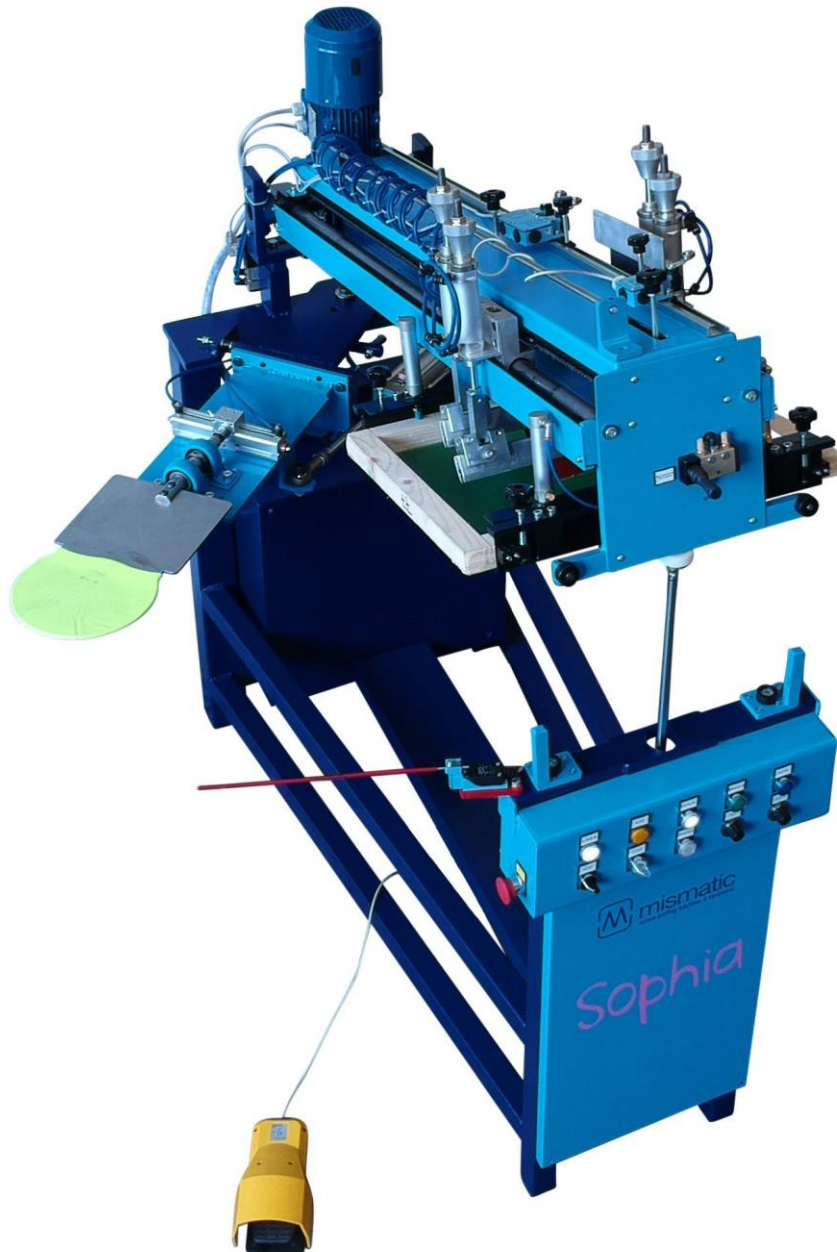


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swimming caps

automatic screen printing machine

SOPHIA 180



The low-cost automatic machine!

SOPHIA 180 is the first **low-cost automatic** screen printing machine for single-colour printing of **swimming caps**. Printing is possible on **both front and back side** of the cap.
The machine is **compact in size**, **easy to use** and with an **excellent production per hour**.

Moving printing table

The introduction of a **single mobile printing table** has allowed us both to extremely reduce the size of the machinery and to make the loading and unloading of the cap easy and fast.

Automatic ink recovery system **New**

Clamshell 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 has to do this operation.

During printing, the squeegee and scraper move between two end-stroke. 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.

Technical data	
Printable materials:	swimming caps
Max cycles/hour ¹ :	400
Electrical supply:	220 V single-phase, 50 Hz
Installed power:	0.5 kW
Working pressure ² :	6÷7 bar
Overall dimensions:	(L) 1500 mm x (W) 700 mm x (H) 1600 mm
Net weight:	200 kg
Usable screens:	wooden or metallic frames
Screen thickness range:	up to 30 mm
Usable inks:	traditional screen printing inks

[1] Given values without considering the cap loading/unloading time.

[2] 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.



Standard features

- ❖ **Printing head opening:** clamshell, pneumatic system
- ❖ **[] screen-holder:** adjustable; possibility to adapt different sized screens
- ❖ **Screen insertion/extraction:** printing unit lateral side
- ❖ **Screen block/unblock:** automatic **New**
- ❖ **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 end-stroke
- ❖ **Printing repeats:** from 1 to 10 repeats
- ❖ **Automatic ink recovery system** **New**
- ❖ **Control panel on board**
- ❖ **Three working modes:** manual, single and automatic with timer
- ❖ **Pre-set working modes:** front side printing, front and back side printing

The machine is equipped with

- #1 INOX steel printing table for cap
- #1 squeegee
- #1 scraper
- #1 pedal to start the printing cycle

