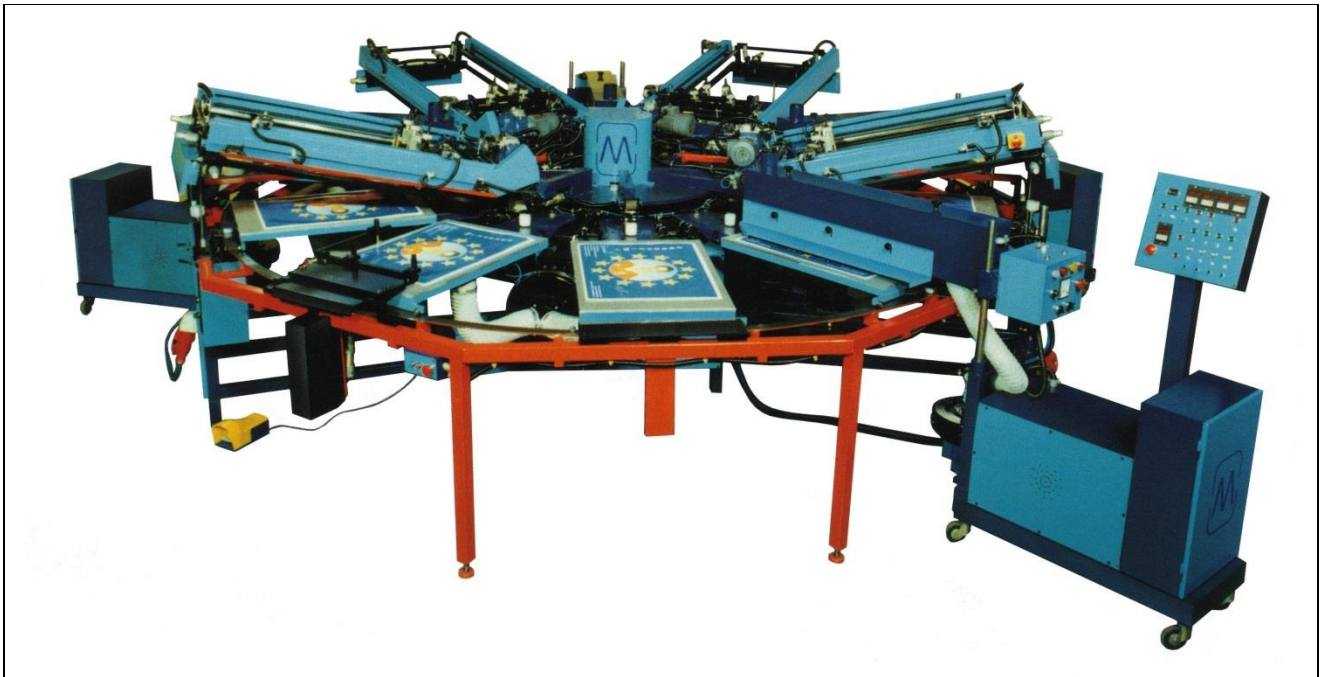


graphic field

carousel automatic screen printing machine

SUPERCROSS



Description

The screen printing machine model **SUPERCROSS** has been designed and built **to print multi-colour rigid and flexible sheets** as paper, card board, PVC, polyester, polycarbonate, plastic, Plexiglas, metal, glass, etc.

High accuracy and repeatability of prints

The **rotary index table** controls the rotation of the tables and centres them under the printing heads; moreover, the **centring system** – one for every colour – aligns perfectly the table with the screen. So, we have two systems that offset and mutually improve each other, ensuring a high accuracy and repeatability of prints.

Independent printing units

Every colour is independent, that is, it can be activated, regulated and controlled as an independent printing unit. For example, you can adjust:

- the distance of the frame-holders in order to use screens of any size;
- the printing length;
- both the speed of the squeegee and scraper.

These are only some examples of the multiple systems installed on the machinery.

Moreover, every printing unit is equipped with a **lift system with double length**: the short length is used during printing, making the machine very fast; instead, the long one is for the cleaning of the screen, making this operation very easy for the user.

Every colour has a **sub control panel**, so you have always on hand the essential controls.

Infinite possibilities of print

SUPERCROSS offers a lot of opportunities to the screen printers, for example:

1. printing with squeegee lowered, raised back;
2. repetition of the printing from 2 to 9 times: necessary to achieve an high coverage.

Automatic system for ink's salvage **New**

Usually, when the ink comes out from the frame's inkpot, it is necessary to insert it again in the inkpot by using a spatula to avoid wasting a big quantity of ink.

The automatic system for ink's salvage has been designed and built to solve this problem.

In fact, you have only to set up on the control panel's counter the number of the printing cycles and, when the system reaches this value, it automatically goes into action and salvages the ink gone out from the frame's inkpot.

Control panels

The machine is equipped with a **main control panel** that allows a quick and easy access to all commands, moreover, with a **sub control panel** for every printing unit.

The importance of the safety!

All the controls and settings of the printing units are arranged in easily accessible areas, without requiring the user to overcome the safety barriers.

It follows that **SUPERCROSS** is designed, not only to realise quickly high quality multi-colour prints, but also with a great attention to the user's safety.

Technical data	4 colours	40 x 55	50 x 70	70 x 100
Printable materials:	rigid and flexible sheets as paper, card board, PVC, polyester, polycarbonate, plastic, Plexiglas, metal, glass, etc.			
Printing units ¹ :	4			
Printing tables ¹ :	10			
Max printing size:	400 mm x 550 mm	500 mm x 700 mm	700 mm x 1000 mm	
Max cycles/hour ² :	800			
Electrical supply ³ :	380÷400 V 3-phase + neutral, 50÷60 Hz			
Installed power:	3.5 kW		5.6 kW	
Working pressure ⁴ :	6÷7 bar			
Overall dimensions:	Ø 3800 mm	Ø 4200 mm	Ø 4600 mm	
Printing table height:	900 mm			
Net weight:	1200 kg	1500 kg	1900 kg	
Usable frames:	wooden or metallic frames			
Frame thickness range:	up to 30 mm			
Usable inks:	traditional and UV screen printing inks			

[1] More colours/tables available on request.

[2] Given values without considering the material's loading/unloading time.

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

[4] The compressor is not included.

In order to improve the quality of the product, the Mismatic Company is allowed to effect modifications in the manufacturing without any obligation to notify the same to the Customer.

Standard features

- ❖ **Material's loading and unloading:** manual
- ❖ **Material's setting on the printing table:** against 3 automatic rollaway stops
- ❖ **[] frame holder:** adjustable; possibility to adapt different sized frames
- ❖ **Screen's insertion/extraction:** printing unit's lateral side
- ❖ **Screen's block/unblock:** automatic **New**
- ❖ **Screen's micrometric adjustment:** by X-Y axes
- ❖ **Independent printing units**
- ❖ **Printing heads opening as a book**
- ❖ **Printing heads height from printing tables during frame's cleaning operation:** 350 mm
- ❖ **Independent speeds for the squeegee and the scraper**
- ❖ **Speed of the squeegee and scraper:** adjustable by control panel
- ❖ **Squeegee and scraper's pressures:** adjustable
- ❖ **Squeegee and scraper's slopes:** adjustable
- ❖ **Independent adjustment of the printing length for every printing unit**
- ❖ **Printing length:** adjustable by micro-switches
- ❖ **Automatic system for ink's salvage** **New**
- ❖ **Double centring system to guarantee an high printing precision and repeatability** (patented)
- ❖ **Drilled INOX steel printing tables**
- ❖ **Vacuum printing tables**
- ❖ **The printing tables are driven by a metallic circle**
- ❖ **Main control panel equipped with colour touch-screen LCD monitor**
- ❖ **A sub control panel for every printing unit**
- ❖ **Three working cycles:** manual, single and automatic with timer

Optional features

- ❖ **Squeegee and scraper's pressures:** adjustable by control panel; you have only to key in the value of the pressure without touching any knob **New**
- ❖ **Frame holder's micrometric adjustment:** X-Y axis adjustable by control panel; you have only to key in the value of the X or Y axis without touching any knob **New**

The machine will be equipped with

- #1 set of squeegees
- #1 set of scrapers
- #1 pedal to start the printing cycle

The machine can be equipped with

- the infrared and hot air cure system model FLASH
- the air-cooled ultraviolet cure system
- the automatic feeder
- the automatic stacker



☛ IR and hot air cure system
model **FLASH**

air-cooled UV cure system ☛



☛ automatic feeder

automatic stacker ☛

