

multi-field manual screen printing machine with squeegee slide on rail

TESSI



Description

The manual screen printing machine model **TESSI** has been designed and built with the aim to give a reliable help to all the screen printers who need a **high printing quality** even with small productions.

By this equipment the user can print rigid and flexible sheets with **thicknesses up to 120 mm**.

Moreover, thanks to its **counterweight systems**, the requested force to lift up or take down the screen and the squeegee is very low.

Squeegee slide on rail system

This system fixes all the typical problems you can have during the manual printing:

- The pressure of the squeegee is never the same.
- The slope of the squeegee is never the same.
- The printing speed decreases with the increase of the user's tiredness.

All these problems do not allow you to get quality prints and every copy is different one from the other.

This system, instead, allow you to adjust the pressure and slope of the squeegee and it simplifies the user's workload; so you can get **identical, high quality and effortless prints**.

A printing table for any need!

The screen printing machine is available in three different versions; printing table made of:

- **Wood** ⇒ for pre-cut fabrics.
- **INOX steel with vacuum** ⇒ for rigid and flexible sheets.
- **INOX steel with vacuum and air-cushion** ⇒ for materials such as wooden panels and glass sheets. In fact, the air-cushion prevents the panel or sheet from being scratched during the material loading/unloading and setting phases.

Technical data	50 x 70	60 x 90	70 x 100	80 x 100
<i>Printable materials¹:</i>	pre-cut fabrics and rigid and flexible sheets as paper, cardboard, PVC, polyester, polycarbonate, plastic, Plexiglas, metal, wood, glass, etc.			
<i>Max printing size:</i>	500 x 700 mm	600 x 900 mm	700 x 1000 mm	800 x 1000 mm
<i>Min material thickness:</i>	paper from 80 g/m ²			
<i>Max material thickness:</i>	120 mm			
<i>Electrical supply²:</i>	400 V 3-phase, 50 Hz or 220 V 1-phase, 50 Hz			
<i>Installed power²:</i>	0.25 kW			0.37 kW
<i>Working pressure³:</i>	6÷7 bar			
<i>Printing table height:</i>	adjustable 850÷950 mm			
<i>Usable frames:</i>	wooden and metallic frames			
<i>Frames thickness range:</i>	up to 40 mm			
<i>Usable inks:</i>	traditional, ceramic and UV screen printing inks			

[1] The kind of printable materials depends on the chosen printing table.

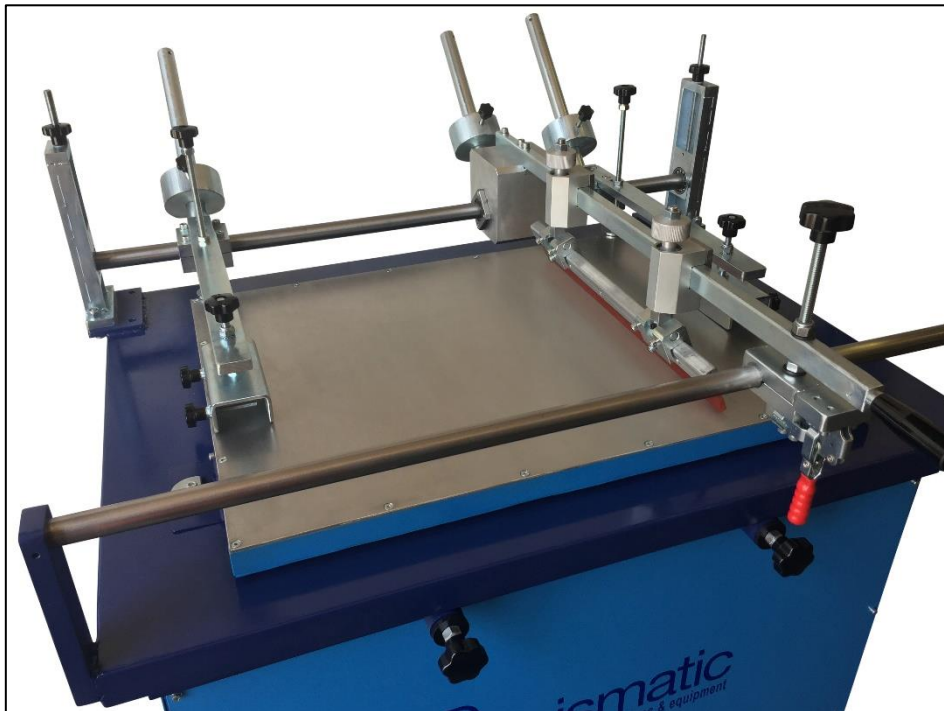
[2] The electrical power is not necessary with the wooden printing table.

[3] The compressed air is necessary only with the INOX steel printing table with vacuum and air-cushion. The compressor is not included.

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

Standard features

- ❖ **Material loading, setting and unloading:** manual
- ❖ **Screen opening:** as a book
- ❖ **[] screen holder:** adjustable; possibility to adapt different sized screens
- ❖ **Screen insertion/extraction:** front side
- ❖ **Screen block/unblock:** by knobs
- ❖ **Distance of the screen from the table adjustable according to the thickness of the material:** up to 120 mm
- ❖ **Screen counterweight system:** to reduce the requested force to lift up or take down the screen
- ❖ **Squeegee slide on rail system**
- ❖ **Squeegee block/unblock:** by mechanical clamp
- ❖ **Squeegee pressure:** adjustable
- ❖ **Squeegee slope:** adjustable
- ❖ **Squeegee counterweight system:** to reduce the requested force to lift up or take down the squeegee
- ❖ **Printing table made of:**
 - wood covered with plastic
 - drilled INOX steel with vacuum
 - drilled INOX steel with vacuum and air-cushion
- ❖ **Printing table micrometric adjustment:** by X-Y axes



The machine is equipped with

- #1 squeegee