

multi-field

$\frac{3}{4}$ automatic screen printing machine

PERFETTA GW



Description

The screen printing machine model **PERFETTA GW** has been designed and built to print **wooden panels** and **glass sheets**.

2-in-1 equipment!

PERFETTA GW is a versatile machine; in fact, it can be manually loaded from the user or included into your production line.

Let's check its two working ways:

- **$\frac{3}{4}$ automatic:** the user loads the material, it is automatically screen printed and unloaded towards the dryer (not included).
- **automatic:** the material comes from a conveyor belt and passes through the machine's loading area, then it is automatically screen printed and unloaded towards the dryer (not included).

System to print irregular glass sheets **New**

Even if the glass sheets have been cut in the same nominal size, they are always different one from the other. We talk about working tolerances. Unfortunately, these tolerances often become errors of production.

Nowadays, the machines you can find in the market register the glass by locking its four sides, that is, by making glass stay in a fixed area.

This system has two main disadvantages:

- the sheets, having a lower size than the nominal one, cannot be placed correctly and you get misprints;
- the glasses, having an higher size than the nominal one, break during the locking.

These problems have been solved thanks to the system to print irregular glass sheets. This system, in fact, can register and lock sheets having errors of production up to ± 15 mm compared to the nominal size of the glass.

Material's lateral alignment system **New**

This system has a double purpose: it **contributes to register and lock the material** before the printing; moreover, it makes possible to **print all the material till its border line**.

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.

Technical data	50 x 100	80 x 140	100 x 200
Printable materials:	rigid materials as wooden panels and glass sheets		
Max printing size ¹ :	500 mm x 1000 mm	800 mm x 1400 mm	1000 mm x 2000 mm
Min material thickness:	3 mm		
Max material thickness ² :	wooden panels: 30 mm glass sheets: 20 mm		
Max cycles per hour ³ :	200	150	100
Printing head's opening as a book:	mechanic working		pneumatic working
Printing head's opening on four columns:	mechanic working		
Electrical supply ⁴ :	380÷400 V 3-phase + neutral, 50÷60 Hz		
Installed power:	3.5 kW		4.5 kW
Working pressure ⁵ :	6÷7 bar		
Overall dimensions, control panel not included:	(L) 2700 mm x (W) 1500 mm x (H) 1700 mm	(L) 3500 mm x (W) 1800 mm x (H) 1700 mm	(L) 4700 mm x (W) 2200 mm x (H) 1700 mm
Printing table height:	1050 mm		
Usable frames:	metallic frames		
Frames thickness range:	up to 40 mm		
Usable inks:	traditional, ceramic 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's loading time.

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

[5] 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:**
 - ◆ **¾ automatic mode:** manual
 - ◆ **automatic mode:** automatic
- ❖ **Material's setting on the printing table:** automatic; before the printing, the material is registered and locked on its long sides by the lateral alignment system and frontally by a stop. All the devices coming in contact with the glass have a cylindrical shape and they are made in Nylon
- ❖ **System to print irregular glass sheets** **New**
- ❖ **Material's unloading:** automatic
- ❖ **Printing head's opening:** available both in the book and four-columns version **New**
- ❖ **Printing head's height from printing table during frame's cleaning operation:** 450 mm
- ❖ **[] frame holder:** adjustable; possibility to adapt different sized frames
- ❖ **Frame's insertion/extraction:** front side
- ❖ **Frame's block/unblock:** automatic **New**
- ❖ **Squeegee and scraper's independent speeds**
- ❖ **Squeegee and scraper's speeds:** adjustable by control panel
- ❖ **Squeegee and scraper's pressures:** adjustable
- ❖ **Squeegee and scraper's slopes:** adjustable
- ❖ **Screen printing length:** adjustable by micro-switches
- ❖ **Automatic system for ink's salvage** **New**
- ❖ **Off-contact distance:** automatic Synchroprint adjustable from 0 mm to 30 mm
- ❖ **Drilled INOX steel printing table**
- ❖ **Vacuum printing table**
- ❖ **Material handling:**
 - ◆ **loading area:** using wheels covered with rubber
 - ◆ **printing area:** using belts covered with rubber
- ❖ **Frame's micrometric adjustment:** by X-Y axes
- ❖ **Control panel on board**
- ❖ **Three working cycles:** manual, single, automatic with timer

The machine will be equipped with

- #1 squeegee
- #1 scraper
- #1 set of devices for the lateral alignment