

TECHNICAL SPECIFICATIONS

<i>Technical features :</i>		<i>Mod. 1</i>	<i>Mod. 2</i>
<u>SPEEDSTAR MACHINE</u>			
	<i>mm</i>	500 x 700	900 x 1200
<i>Max screen size</i>	<i>mm</i>	830 x 945	1235 x 1400
<i>Max substrate thickness</i>	<i>mm</i>	25	
<i>Mechanical speed</i>	<i>cycles/hour</i>	900	800
<i>Air pressure</i>	<i>BAR</i>	4 to 6	
<i>Air consumption</i>	<i>lt/min</i>	15	18
<i>Power installed</i>	<i>kW</i>	1,5	2,2
<i>Std. power supply</i>	400 V 50 Hz - 3 ph		
<i>Weight</i>	<i>Kg</i>	520	640
<i>Length</i>	<i>mm</i>	1310	1750
<i>Width</i>	<i>mm</i>	1210	1610
<i>Height</i>	<i>mm</i>	1450	1500
<u>TAKE OFF DEVICE</u>			
<i>Max substrate size</i>	<i>mm</i>	500 x 700	900 x 1200
<i>Max substrate weight</i>	<i>g/m²</i>	2000	
<i>Power installed</i>	<i>kW</i>	1,25	2
<i>Air pressure</i>	<i>bar</i>	4-6	
<i>Air consumption</i>	<i>nl/min</i>	120	180
<i>Standard power supply</i>	400V 50Hz 3-phase		
<i>Overall dimensions:</i>			
<i>Length</i>	<i>mm</i>	1070	1510
<i>Height</i>	<i>mm</i>	1140 (± 300)	
<i>Width</i>	<i>mm</i>	1120 (± 710)	1120 (± 970)

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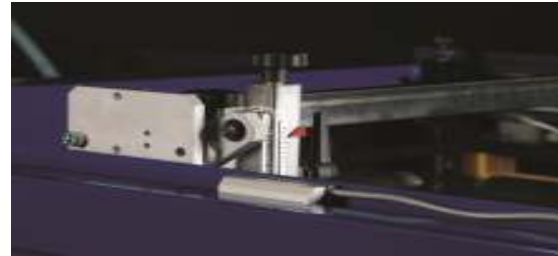


TAKE OFF DEVICE

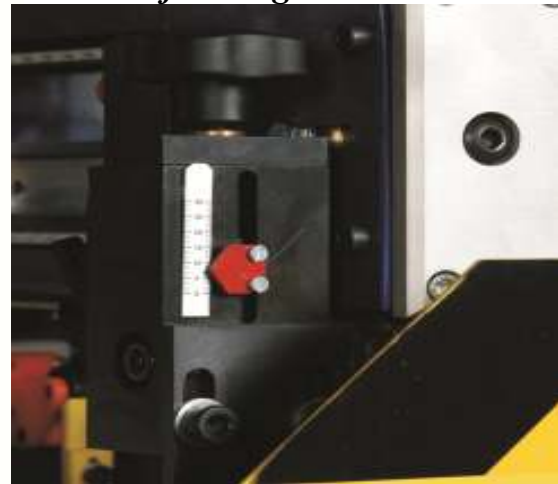
For remarkable throughput increase SPEEDSTAR can be coupled to either a side or a rear take-off device. The TAKE-OFF device is controlled remotely, by the front side of the machine.



Control panel
all the controls are placed on the front side of the machine, for fast set-up



printing stroke
magnetic micro switches allow a fine adjustment of the printing and flooding strokes



off-contact adjustment
with reference scale



PRINTING TOP ALIGNMENT

two reference scales allow checking the printing top alignment at any moment



DOUBLE PEDAL SYSTEM

The machine is equipped with double pedal system. The first is used for starting the printing cycles, as the second to control the vacuum of the printing top for easy adjustment of the substrate.



ION MACHINE

SPEEDSTAR

SPEEDSTAR

A compact high quality, precision semiautomatic screen printing machine.

This electro-mechanically driven, PLC controlled screen printing press has all the features needed to supply consistent result with minimum cost and maximum effectiveness.

MAIN FEATURES

ADJUSTMENT AND CONTROLS

All the functions of SPEEDSTAR are governed by a PLC. All the adjustments are set from the front side of the machine for quick and easy operations. In detail, the main functions are:

- *Lift-o-mat screen peel (special device allowing the progressive separation of the screen from the substrate) ,steeples adjustable from the operator side*
- *Independently adjustable printing and flooding speeds*
- *Four working cycles:*
 - *continuous with dwell timer*
 - *single stroke*
 - *jogging for set up*
 - *stop of the printing cycle with no flooded screen*

STRUCTURE

Made from electro-welded hardened tubular steel, painted with epoxy powder coating.

PRINTING TOP

Honey-comb structure with stainless steel cover. Powered vacuum with pre-vacuum function. It is adjustable on three axes

PRINTING HEAD AND PRINTING BRIDGE

The printing head features a solid structure accommodates two guides where the printing carriage driven by toothed belts slides, and the frame holding bars. For screen cleaning purposes the printing head features a 450 mm lift.

- *Printing bridge driven by an AC motor with inverter*
- *Off-contact adjustable on the four corners of the screen*
- *Printing stroke adjustable by means of magnetic micro switches*
- *Micro-adjustable printing pressure*
- *Fast removable squeegee/scrapper assembly*
- *Easy and fast screen loading thanks to the adjustable front and rear frame holding bars*



SAFETY SYSTEM

The machine feature two independent electrical and pneumatically safety systems. Thos ensure full safety even on electrical or pneumatically failure on the system. Both systems are controlled separately and together.

SUPER PRECIS

SIVAR[®] Ltd.

Advance machine builder

**SEMIAUTOMATIC SCREEN-PRINTING
MACHINE**



SPEEDSTAR

SUPER PRECISION MACHINE