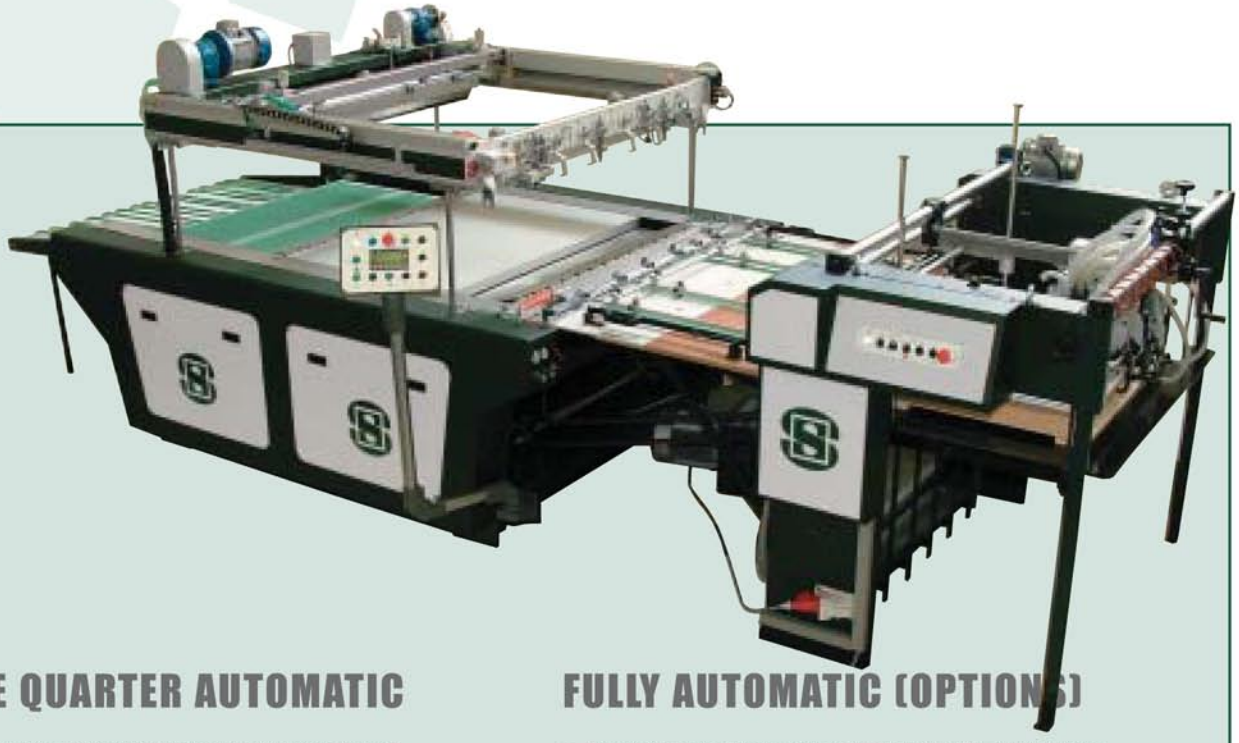
PRIMA

The PRIMA is available in two executions: manually fed with an automatic registration system and fully automatic with feeder (could be added at a later date). Printing capabilities range from rigid to flexible on the widest variety of substrates with various thicknesses from 70 gsm to 7 mm (.274").
High speed output is achieved with a four gripper system allowing the material to be automatically registered while the previous sheet is being printed.



THREE QUARTER AUTOMATIC

Manually fed loading table with automatic registration system. Registration of each sheet is monitored by an electronic photoeye system placed at each lay-stop and push/pull guide for precise sheet position before the grippers begins the transport cycle ensuring the highest accuracy. Includes feeding rollers, lateral alignment system and material hold-down.

FULLY AUTOMATIC (OPTIONS)

- Combi Super single/stream feed capability. Easily adjustable from single to stream sheet feeding.
- F ront single sheet feeder.
- Removable feeder. Any of the above feeders can be installed on rails allowing them to be easily moved gaining access to the press for manual feeding (i.e. corrugated, coroplast,etc.)

STANDARD FEATURES

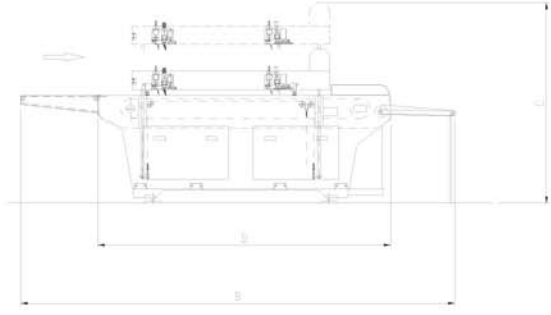
- The printing head, on heavy duty steel lifting columns, moves up and down in timing with the print table lowering enabling the gripper to transport the material.
- Open position of the high lift 4-post print head allows full clearance of the total screen area without any obstruction while cleaning the screen.
- The vacuum printing table is equipped with blowback, which enables the material to be slightly lifted with an air cushion after the printing sequence for an easy removal of printed material. Both vacuum and blowback are fully adjustable.
- Printing table: anodized, hardened, aluminium surface and honeycomb construction type guarantee planarity, flatness and rigidity of the printing base optimising vacuum and blowback control.
- Squeegee / floodcoater both controlled by an AC drive motor with inverter for variable and independent print and flood speeds as well as stroke length.
- Adjustable squeegee angle and fully adjustable squeegee pressure (pneumatic equalizer) ensure uniform ink deposit across the entire print area.
- The squeegee and flood carriage is driven by a stainless steel reinforced toothed belt, this permits a smoother and quieter operation.
- Equipped with four grippers whereby the gripper keeps substrate at the infeed then carries it all the way to the delivery conveyor. The conveyor system is fully adjustable to be synchronised with dryer belt speeds and easily adjustable to the heights of the dryer conveyor belt.
- Three operating cycles automatically controlled by dwell timer.
- Choice of print functions: flooding before the print stroke and flooding after the print stroke cycle. Print-Flood or Flood-Print.
- The mechanical syncroprint (peel off) is mechanically synchronised for peel-off height and rate. Easily adjustable including a no-peel flood function.
- Pneumatic frame locking and unlocking system to facilitate rapid change-over.
- C ycle counter
- The PRIMA is available in 3 different sizes ranging from 20" x 28" up to 39" x 55".
- Other optional features available upon request.

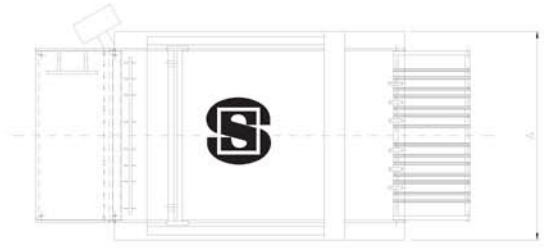
graphic
PRIMA



PRIMA - TECHNICAL DATA

TECHNICAL DATA	MODEL	80x120	100x140
Max print area	mm	800x1200	1000x1400
	inch	31x47	39x55
Max stock area	mm	860x1210	1060x1410
	inch	34x48	42x55
Max stock thickness	mm	7	7
	inch	0,3	0,3
Max frame size	mm	1280x1300	1480x1500
	inch	50x51	58x59
Max frame thickness	mm	40	40
	inch	1,6	1,6
Grippers margin	mm	5-6	5-6
	inch	0,20	0,20
Printing base area	mm	940x1300	1140x1500
	inch	37x51	45x59
Vacuum base area	mm	875x1245	1075x1445
	inch	34x49	42x57
Squeegee angle adjustment	degree	30	30
Squeegee vertical adjustment	mm	30	30
	inch	1,2	1,2
Flood-coater vertical adjustment	mm	30	30
	inch	1,2	1,2
Fine register adjustment	mm	±15	±15
	inch	±0,6	±0,6
Current rating	Kw	4,5	5,5
Elettrical supply	V/Hz	by request	
Air operating pressure	bar	6	6
Compressed air required	Lt/min	100	100
	Psi	0,4	0,4
OVERALL DIMENSIONS			
A - Width	mm	1945	2150
	inch	77	85
A - Total Length	mm	4054	4534
	inch	160	179
C - Height	mm	1875	1875
	inch	74	74
D - Length	mm	2734	2934
	inch	108	116





Due to SIASPRINT policy of continuous improvement all technical information for the machines illustrated in this brochure are not binding and subject to modification without prior notice.

SIASPRINT SERVICE

SIASPRINT SERVICE s.r.l.
via G. Lucini 21, 20125 Milano (Italy)
Tel. +39 (0)2 93796383 - Fax +39 (0)2 93790232
email: staff@siasprint.it - www.siasprint.it - www.siasprintservice.com