

Soloprint

flexographic printing machine

Excellent Print Registration

Low Ink and Solvent Consumption

Consistent Print Quality

Low Maintenance Cost



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Soloprint is available in 4 or 6 colour options for tubular PP/HDPE woven fabric. Distinctively designed and precisely machined, equipped with new generation electronics, this machine maintains accuracy over a long and dependable life and ensures optimum performance. It includes both geared and gear-less types of machines.

Lohia Corp Limited have combined their expertise and experience with Pelican Rotoflex Pvt. Ltd. to offer this high speed printing machine - **Soloprint**.

OPTIONAL EQUIPMENTS

- Additional plate cylinders for desired print repeat lengths
- Web Video Inspection System for one or both sides of the fabric
- Viscosity Control System to maintain constant viscosity of the ink for consistent print quality

Designed for high quality 4/6
 colour flexographic printing on flat/
 tubular PP/HDPE woven fabric



Photo shows single side printing in operation

Printing Speed (max.)
200 m/min*

Print Width (max)
800 mm

Number of Colours
4 & 6

Print Repeat Length
500 to 1300 mm

Web Tension Control by using closed loop controlled Servo Drives/ Motors with load cell for continuous feedback and auto adjustment to achieve constant unwinding tension.

Dual Station Unwinder with two rolls mounted on pneumatic shafts for alternate use to enable continuous & efficient operation, minimize waste and deliver consistent quality.

Splicer Unit facilitates semi-automatic roll splicing in the unwinder.

Edge Guiding System for precise alignment of the web.

In-feed System for pulling the substrate from unwinding station and simultaneously maintaining required set tension between printing zones for proper registration.

Ceramic Anilox Rollers are plasma coated and laser engraved with improved cell structure and quick change over mounting arrangement.

Chambered Doctor Blade reduces consumption of ink & solvent, offers better print quality and enhances life of Anilox roller.

Hydraulic Lift-up System for plate cylinder with separate hydraulic motor for ensuring continuous rotation of anilox rolls which prevents ink dry-up when machine stops.

Double Diaphragm type ink pumps with flow adjusting valve for efficient ink circulation.

Drying Chamber for optimized air flow to minimize energy consumption and to avoid solvent retention in the printed substrates.

Central Exhaust System to exhaust contaminated air from all the print stations through a central duct.

Out-feed System for pulling the substrate from last printing station and simultaneously maintaining required set tension between printing zones, by isolating tension disturbance coming from re-winder for better print quality.

Rewinding Station for allowing splicing of fabric roll for continuous operation. Pneumatic shafts are used for holding the fabric roll. The reserve pneumatic shafts are loaded on the rewinder using hydraulically assisted arms.

CENTRALIZED PLC SYSTEM

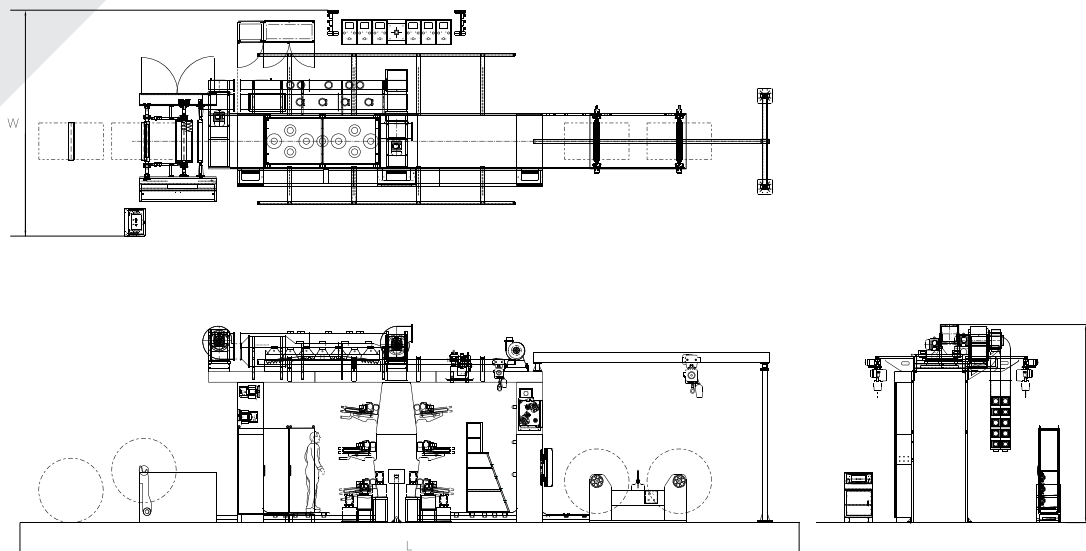
Advance PLC controller with easy-to-navigate touch screen is located at the rewinding station.

This displays and helps in monitoring the process parameters, integrated trends, error and help messages.

The PLC can be remotely accessed with an additional router.

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	3150 WVN 6CL 850	3150 WVN 4CL 850	(GL) 3200 (D) 6CL 850
Number of Colours	6	4	6
Printing Possibilities	6:0, 5:1, 4:2, 3:3 for both sides printing	4:0, 3:1, 2:2 for both sides printing	6:0, 5:1, 4:2, 3:3 for both sides printing
Roll Diameter (Unwinder) (max.)	1500 mm	1500 mm	1500 mm
Roll Diameter (Rewinder) (max.)	1500 mm	1500 mm	1500 mm
Fabric Width (max.)	850 mm	850 mm	850 mm
Print Width (max.)	800 mm	800 mm	800 mm
Repeat Length	500 to 1300 mm	500 to 1300 mm	500 to 1300 mm
Mechanical Speed (max.)	150 m/min*	150 m/min*	200 m/min*
Side Registration Adjustment	+/- 6 mm	+/- 6 mm	+/- 6 mm
Length Register Adjustment	+/- 10 mm	+/- 10 mm	+/- 10 mm
Dimensions (L x W x H)	17.1 x 5.5 x 4.65 m	17.1 x 5.5 x 4.0 m	16.3 x 5 x 4.7 m

* Depending on type of ink, fabric, print.

Specifications are subject to change without prior notice, due to continuous developments. These are indicative and not binding.

Extreme values indicated are not achievable simultaneously.

The pictures may show optional equipments that are not a part of the standard supply.

For details, refer to the quotation.

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