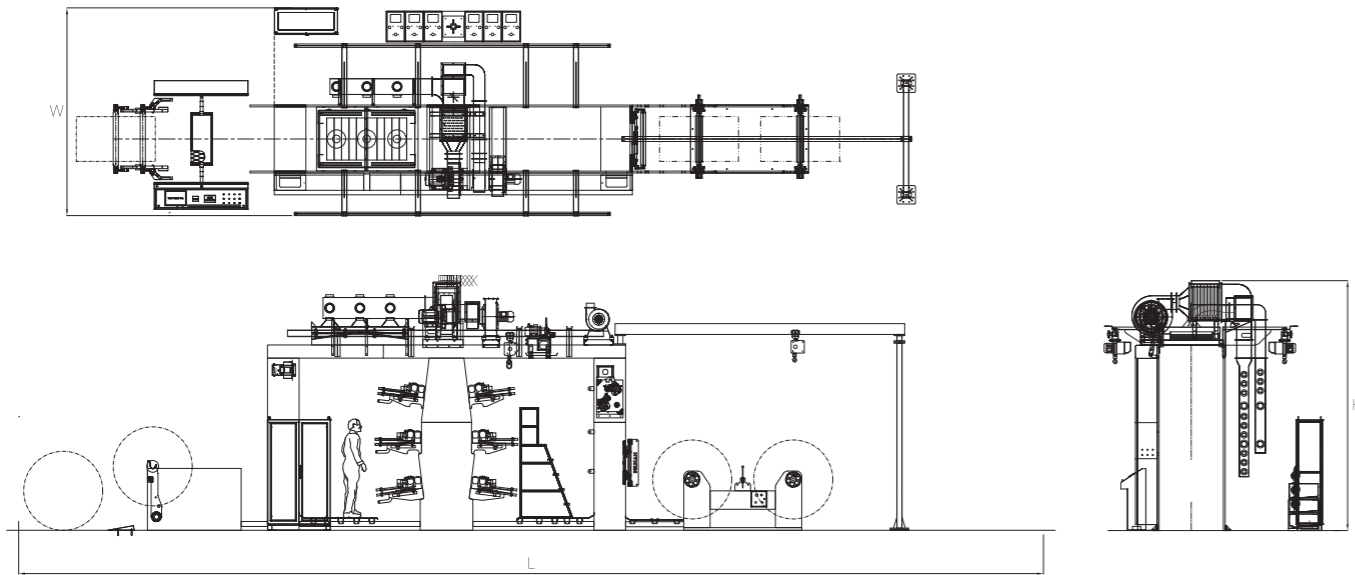


# soloprint

flexographic printing machine



	3150 WVN 6CL 850	3150 WVN 4CL 850
Number of Colours	6	4
Printing Possibilities	6:0, 5:1, 4:2, 3:3 for both sides printing	4:0, 3:1, 2:2 for both sides printing
Roll Diameter (Unwinder) (max.)	1500 mm	1500 mm
Roll Diameter (Rewinder) (max.)	1500 mm	1500 mm
Fabric Width (max.)	850 mm	850 mm
Print Width (max.)	800 mm	800 mm
Repeat Length	500 to 1300 mm	500 to 1300 mm
Mechanical Speed (max.)	150 m/min	150 m/min
Lateral Registration Adjustment	+/- 6 mm	+/- 6 mm
Longitudinal Register Adjustment	+/- 10 mm	+/- 10 mm
Dimensions (L x W x H)	16.9 x 4.7 x 4.8 m	16.9 x 4.7 x 4.4 m

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.



## LohiaCorp

### HEAD OFFICE & WORKS

Lohia Corp Limited  
D-3/A, Panki Industrial Estate  
Kanpur - 208022, India  
T: +91 512 3045100  
E: ls@lohiagroup.com  
W: lohiagroup.com

### OFFICES IN INDIA

**AHMEDABAD**  
T: +91 79 40373570  
E: ahmedabad.ls@lohiagroup.com

**DELHI**  
T: +91 11 30641770  
E: delhi.ls@lohiagroup.com

**KOLKATA**  
T: +91 33 30023740  
E: marketing.kolkata@lohiagroup.com

**BENGALURU**  
T: +91 80 41137799  
E: bangalore.ls@lohiagroup.com

### OVERSEAS OFFICES & ASSOCIATES

**JAKARTA**  
T: +62 21 5859752  
E: benny.giat@lohiagroup.com

**MIAMI**  
T: +1 305 2546212  
E: lac@lohiagroup.com

**RUSSIA**  
T: +7 495 2692690  
E: vladimir.kondratiev@lohiagroup.com

**SAO LEOPOLDO-BRAZIL**  
T: +55 51 93999193  
E: daniel.schnorr@lohiagroup.com



# LohiaCorp

## PELICAN

# soloprint

flexographic printing machine



**Excellent Print Registration**

**Low Ink and Solvent Consumption**

**Consistent Print Quality**

**Low Maintenance Cost**

# **soloprint**

flexographic printing machine

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

**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.

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



Photo shows single side printing in operation

#### OPTIONAL EQUIPMENTS

- Additional plate cylinders for desired print repeat lengths
- Web video inspection system - one or both sides of the fabric
- Corona system - for better adhesion of the link on substrate
- 8' pneumatic shafts for unwinder and rewinder.

Printing Speed Mech. (max.) <b>150 m/min</b>	Print Repeat Length <b>500 to 1300 mm</b>
Number of Colours <b>4 &amp; 6</b>	Print Width (max.) <b>800 mm</b>

**Web Tension Control** by using closed loop controlled Drives/Motors with load cell for tension feedback.  
**Dual Station Unwinder.** This unit has provision for two rolls mounted on pneumatic shafts for alternate use to enable continuous operation, minimize waste and deliver consistent quality.  
**Splicer Unit** facilitates semi-automatic roll splicing in the unwinder.

**Constant Unwinding Tension:** The load cell and pneumatic braking system ensures constant unwinding tension of the fabric.  
**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.  
**Chamber Doctor Blade** to ensure reduced ink and solvent consumption, better print quality and longer anilox roller life.  
**Hydraulic Lift-off 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.  
**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.  
**Re-wind Station** for allowing splicing of fabric roll for continuous/ non-stop 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 based control system with easy to navigate touch screen, located on the Rewinder, offers display and management of process parameters, integrated trends, error and help messages. The PLC can be remotely accessed if required with an additional router.