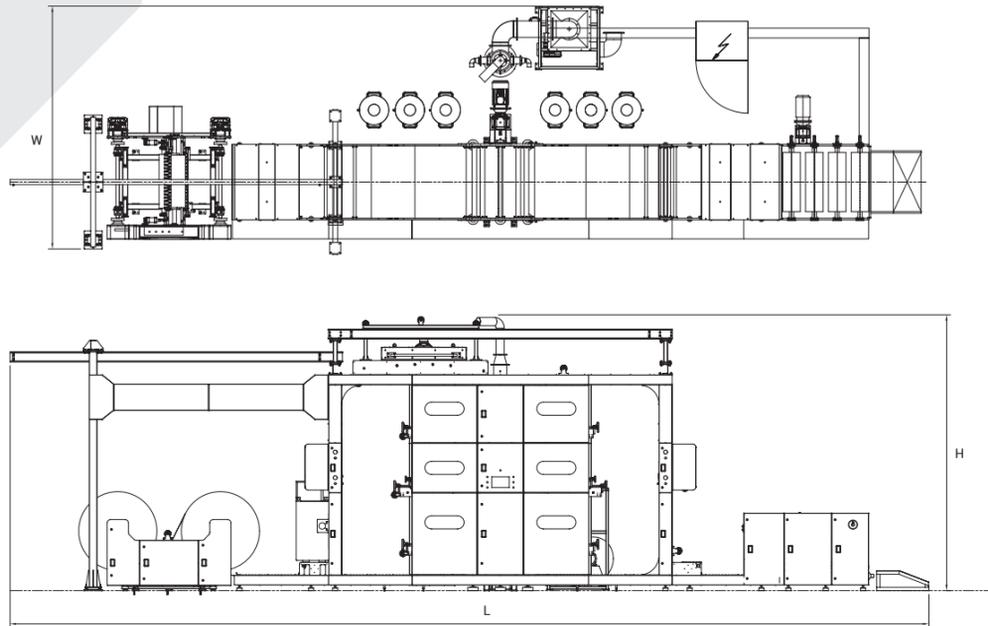


**Prismaflex**

flexographic printing machine



**Prismaflex**

flexographic printing machine

- Excellent Print Registration**
- Low Ink and Solvent Consumption**
- Consistent Print Quality**
- Optimized efficiencies**



	<b>Prismaflex 140</b>	<b>Prismaflex 100</b>
Number of Colours	Upto 6 colours operation	Upto 6 colours operation
Printing Possibilities	6:0, 5:1, 4:2, 3:3 Front: Back printing possibilities	6:0, 5:1, 4:2, 3:3 Front: Back printing possibilities
Roll Diameter (Unwinder) (max.)	1200 mm	1200 mm
Roll Diameter (Rewinder) (max.)	1200 mm	1200 mm
Fabric Width (max.)	800 mm	800 mm
Repeat Length	500 mm to 1250 mm	500 mm to 1250 mm
Mechanical Speed (max.)	140 mpm	100 mpm
Side Registration Adjustment	+/- 10 mm	+/- 10 mm
Length Register Adjustment	+/- 6 mm	+/- 6 mm
Dimensions (L x W x H)	14 x 5 x 4 m	14 x 5 x 4 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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# Prismaflex

flexographic printing machine

Designed for high quality flexographic printing on flat/tubular PP/HDPE woven fabric up to 6 colours



Photo shows single side printing in operation

**Prismaflex** is a range of high speed roll to roll flexographic printing machine for PP/HDPE woven fabric. This modular machine has provisions to further upgrade with additional attachments as per the end application.

Lohia Corp Limited has developed this distinctively designed and precisely machined robust range of machines. These machines are capable of performing at high speeds and delivering quality prints of the highest standards.

### OPTIONAL EQUIPMENTS

- Chambered Doctor Blade
- Corona Treater
- Auto Ink Circulation System
- Hot Air Drying System
- Pneumatic Expandable Air Shafts
- Pneumatic Calliper disk brake system

Printing Speed (max.)  
**140 m/min\***

Print Width (max)  
**760 mm**

Number of Colours  
**6 colours (max)**

Print Repeat Length  
**500 to 1250 mm**

**Motorized Infeed System** pulls the substrate from unwinding station and simultaneously maintains necessary tension between printing zones and also helps to maintain good printing registration. Banana Rollers are provided for wrinkle removal.

**5 drive control system** with advanced PLC controller is located at the main station. The easy-to-navigate touch screen display helps in monitoring the process parameters, integrated trends, error and help messages. The PLC can be remotely accessed with an additional router.

**Edge Guiding System** for precise alignment of the web.

**Electrostatic Eliminator** to eliminate accumulated charges on web. Thus, ensuring safety.

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

**Out-feed system** pulls the substrate from printing units and simultaneously maintains required set tension between printing zones and also helps to maintain good printing registration.

**Rewinding Station** with semi-automatic slicing facilitates reel changeover to get manual slicing without stopping the machine.

**Web Tension Control** by closed loop with motors and load cell for continuous feedback and auto adjustment of web tension at four different zones for auto adjustment of unwinding tension.

**Unwinding Station** has dual station unwinder for semi-automatic splicing. It facilitates reel changeover to get manual splicing without stopping the machine.

**Automatic tension control** through pneumatic brakes from load cell feedback.

**Motorised Electrical hoist with tout wire** for ease of operation in roll handling.