

Prismaflex ST

flexographic printing machine

Excellent Print Registration

Low Ink and Solvent Consumption

Consistent Print Quality

Optimized efficiencies



Prismaflex ST

flexographic printing machine



Prismaflex ST is a range of high speed roll to roll stack type flexographic printing machine for PP/HDPE woven fabric. The machines have provisions for further upgrades with additional attachments suited for end applications.

Lohia Corp Limited has developed this distinctively designed and precisely engineered robust range of machines to deliver quality prints on woven sacks (such as cement, sugar, food grains, fertilizer etc.) and wide-width fabric (such as lumber wraps, roof underlay etc.)

OPTIONAL EQUIPMENTS

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

#Prismaflex ST 100 & Prismaflex ST 140 are modular, upgradeable to 12 colors with paired print station retrofits.

Designed for high quality flexographic printing on flat/tubular PP/HDPE woven fabric up to 8 colours[#]



Photo shows single side printing in operation

Printing Speed (max.)
200 m/min*

Print Width (max)
4000 mm

Number of Colours
Upto 8 colours[#]

Print Repeat Length
500 to 1300 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.

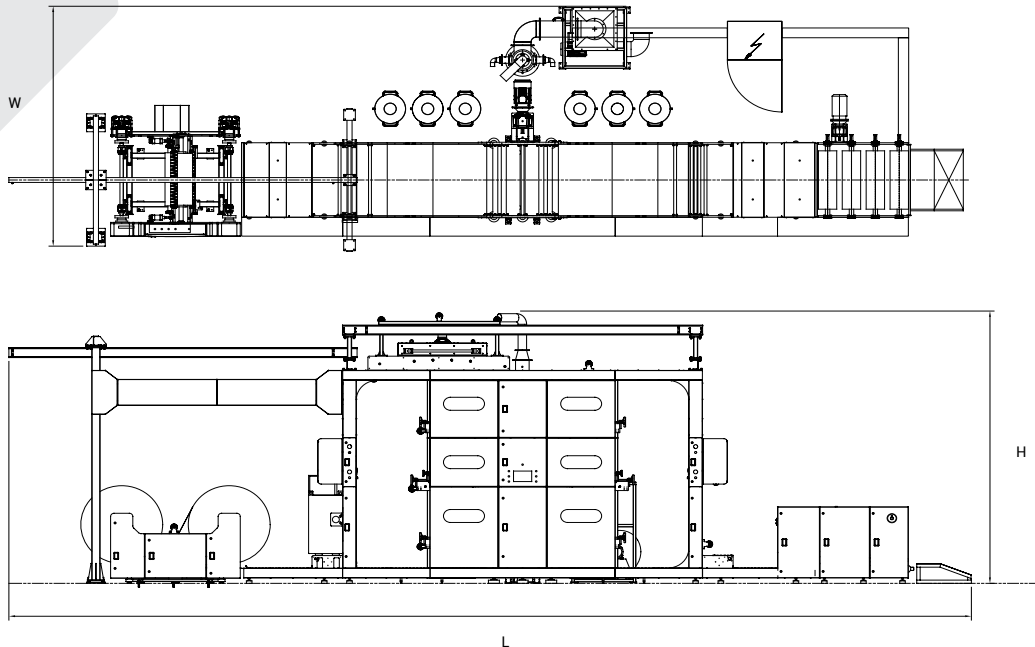
Unwinding Station has dual station unwinder for semi-automatic splicing. It facilitates reel changeover to get manual splicing without stopping the machine.

Automatic tension control through pneumatic brakes from load cell feedback.

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

Prismaflex ST

flexographic printing machine



	Prismaflex ST 100-4C	Prismaflex ST 100-6C	Prismaflex ST 140-6C	Prismaflex ST 100-8C	Prismaflex ST 140-8C	Prismaflex ST 200 4C-XL
Number of Colours	Upto 4 colours operation	Upto 6 colours operation	Upto 6 colours operation	Upto 8 colours operation	Upto 8 colours operation	Upto 4 colours operation
Printing Possibilities Front: Back	4:0, 3:1, 2:2	6:0, 5:1, 4:2, 3:3	6:0, 5:1, 4:2, 3:3	8:0, 7:1, 6:2, 5:3, 4:4	8:0, 7:1, 6:2, 5:3, 4:4	4:0, 3:0, 2:0, 1:0
Roll Diameter (Unwinder) (max.)	1200 mm	1200 mm	1500 mm	1200 mm	1500 mm	1270 mm
Roll Diameter (Rewinder) (max.)	1200 mm	1200 mm	1500 mm	1200 mm	1500 mm	1270 mm
Fabric Width (max.)	800 mm	800 mm	800 mm	800 mm	800 mm	4000 mm
Repeat Length	500 mm to 1250 mm	500 mm to 1250 mm	500 mm to 1250 mm	500 mm to 1250 mm	500 mm to 1250 mm	1000 mm to 1300 mm
Mechanical Speed (max.)*	100 mpm	100 mpm	140 mpm	100 mpm	140 mpm	200 mpm
Side Registration Adjustment	+/- 10 mm	+/- 10 mm	+/- 10 mm	+/- 10 mm	+/- 10 mm	+/- 15 mm
Length Register Adjustment	+/- 6 mm	+/- 6 mm	+/- 6 mm	+/- 6 mm	+/- 6 mm	Servo Controlled
Dimensions (L x W x H)	14 x 4 x 4 m	14 x 4 x 5 m	14 x 4 x 5 m	18 x 4 x 4 m	18 x 4 x 4 m	18.8 x 10.2 x 6 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.

HEAD OFFICE & WORKS

Lohia Corp Limited
D-3/A, Panki Industrial Estate
Kanpur - 208022, India

T: +91 512 3123222
E: sales@lohiagroup.com

W: lohiagroup.com

OFFICES IN INDIA

AHMEDABAD T: +91 79 47729820
BENGALURU T: +91 9792971135
DELHI T: +91 4071 4800
KOLKATA T: +91 33 35898700

OVERSEAS OFFICES & ASSOCIATES

BANGKOK T: +66 21305919
BURLINGTON-NC T: +54 11 65332950
DUBAI T: 9714 548 3200
ITAJAI-BRAZIL T: +55 51 93999193
MOSCOW T: +7 495 2692690