

Lamicoat Prime

extrusion coating & lamination lines

CIRCULAR BAGS							
Model	Prime C750TD	Prime C1100TD	Prime C1500	Prime C1500TD	Prime C1500HD	Prime BB1500	Prime C1500 Ex
Machine Extruder Type	Tandem	Tandem	Single with Turnbar	Tandem	Single with Turnbar	Single with Turnbar	Single with Turnbar
Fabric Coating Type	DFL - Both Side SFL - One/Both Side	DFL - Both Side SFL - One/Both Side	DFL - Both Side SFL - One Side	DFL - Both Side SFL - One/Both Side	DFL - Both Side SFL - One Side	DFL - Both Side SFL - One Side	DFL - Both Side SFL - One Side
Screw Dia (mm)	90	90	90	90	90	110	90
Extrusion Melt Capacity (kg/hr)	Up to 280(2X140)	Up to 280(2X140)	Up to 140	Up to 280(2X140)	Up to 140	Up to 280	Up to 140
Coating Thickness* (micron)	20-100	20-100	20-100	20-100	20-100	20-50	20-100
Tubular Fabric Width (mm)	300-750	450-1100	300-700	600-1500	300-700	300-700	300-700
Flat Fabric Width (mm)	300-750	450-1100	600-1500	600-1500	600-1500	600-1500	600-1500
Tubular Fabric Weight (gsm)	50-100	50-100	50-100	50-250	50-100	50-100	50-100
Flat Fabric weight (gsm)	50-100	50-100	50-100	50-250	50-100	50-100	50-100
Maximum Mechanical Speed (rpm)	Coating - 150 Lamination - 120	Coating - 150 Lamination - 120	Coating - 150 Lamination - 120	Coating - 150 Lamination - 80	Coating - 150 Lamination - 120	Coating - 150 Lamination - 120	Coating - 150 Lamination - 120

FIBC					
Model	Prime JB2350	Prime F1900	Prime F1900TD	Prime FX1900	Prime FX1900TD
Machine Extruder Type	Single with turnbar	Single with turnbar	Tandem	CoEx with Turnbar	CoEx Tandem
Fabric Coating Type	DFL - Both Side SFL - One Side	DFL - Both Side SFL - One Side	DFL - Both Side SFL - One/Both Side	DFL - Both Side SFL - One Side	DFL - Both Side SFL - One/Both Side
Screw Dia (mm)	100	100	100	100+90	100+90
Extrusion Melt Capacity (kg/hr)	Up to 200	Up to 200	Up to 400 (2X200)	Up to 280 (180+100)	Up to 560 [2X(180+100)]
Coating Thickness* (micron)	20-100	20-100	20-100	20-100	20-100
Tubular Fabric Width (mm)	600-800***	500-800***	1000-1900	500-800***	1000-1900
Flat Fabric Width (mm)	1200-2350	1000-1900	1000-1900	900-1900	1000-1900
Tubular Fabric Weight (gsm)	50-250	50-250	50-250	50-250	50-250
Flat Fabric weight (gsm)	50-250	50-250	50-250	50-250	50-250
Maximum Mechanical Speed (rpm)	Coating - 80-100 With reinforcement- 50-60 Lamination - 50-60	Coating - 80-100 Lamination - 50-60			

TARPAULIN / WIDE WIDTH				
Model	Prime F3100	Prime FX3100	Prime F3700	Prime FX3700
Machine Extruder Type	Single*	CoEx*	Single*	CoEx*
Fabric Coating Type	DFL/SFL - One Side	DFL/SFL - One Side	DFL/SFL - One Side	DFL/SFL - One Side
Screw Dia (mm)	110	110+90	120	120+100
Extrusion Melt Capacity (kg/hr)	Up to 280	Up to 380 (280+100)	Up to 400	Up to 550 (350+200)
Coating Thickness* (micron)	20-100	20-100	20-100	20-100
Tubular Fabric Width (mm)	1600-3100	1600-3100	2500-3700	2500-3700
Flat Fabric Width (mm)	1600-3100	1600-3100	2500-3700	2500-3700
Tubular Fabric Weight (gsm)	50-250	50-250	50-250	50-250
Flat Fabric weight (gsm)	50-250	50-250	50-250	50-250
Maximum Mechanical Speed (rpm)	Up to 80	Up to 80	Up to 80	Up to 80

PONDLINER / SPECIALITY FABRIC		
Model	Prime F4150	Prime FX4150
Machine Extruder Type	Single*	CoEx*
Fabric Coating Type	DFL/SFL - One Side	DFL/SFL - One Side
Screw Dia (mm)	130	130+110
Extrusion Melt Capacity (kg/hr)	Up to 500	Up to 750 (500+250)
Coating Thickness* (micron)	20-100	20-100
Tubular Fabric Width (mm)	2500-4150	2500-4150
Flat Fabric Width (mm)	2500-4150	2500-4150
Tubular Fabric Weight (gsm)	>50	>50
Flat Fabric weight (gsm)	>50	>50
Maximum Mechanical Speed (rpm)	Coating up to 100	Coating up to 100

* Lower coating upto 10 micron is possible depending upon various process conditions and parameters.

** Other options available on request.

***Fabric width range for optional turn bar operation

Tandem configuration also available

Specifications are subject to change without prior notice, due to continuous developments.

These details 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 9 11 6533 2950
DUBAI T: +971 4 548 3200
ITAJAI-BRAZIL T: +55 51 93999193
MOSCOW T: +7 499 6150479

Lamicoat Prime

extrusion coating
& lamination lines

Excellent Coating Adhesion

Ergonomic & Compact Design

Consistent Performance for Versatile Applications

Efficient operation & Quick Serviceability



Lamicoat Prime

extrusion coating & lamination lines

Designed for uniform coating of LDPE / PP on substrate like Woven fabric of PP/HDPE (Circular and Flat Fabric, FIBC, Tarpaulin, Leno), Carpet, Jute, Cotton Cloth and excellent sandwiching quality of BoPP & Paper with Woven Fabric.

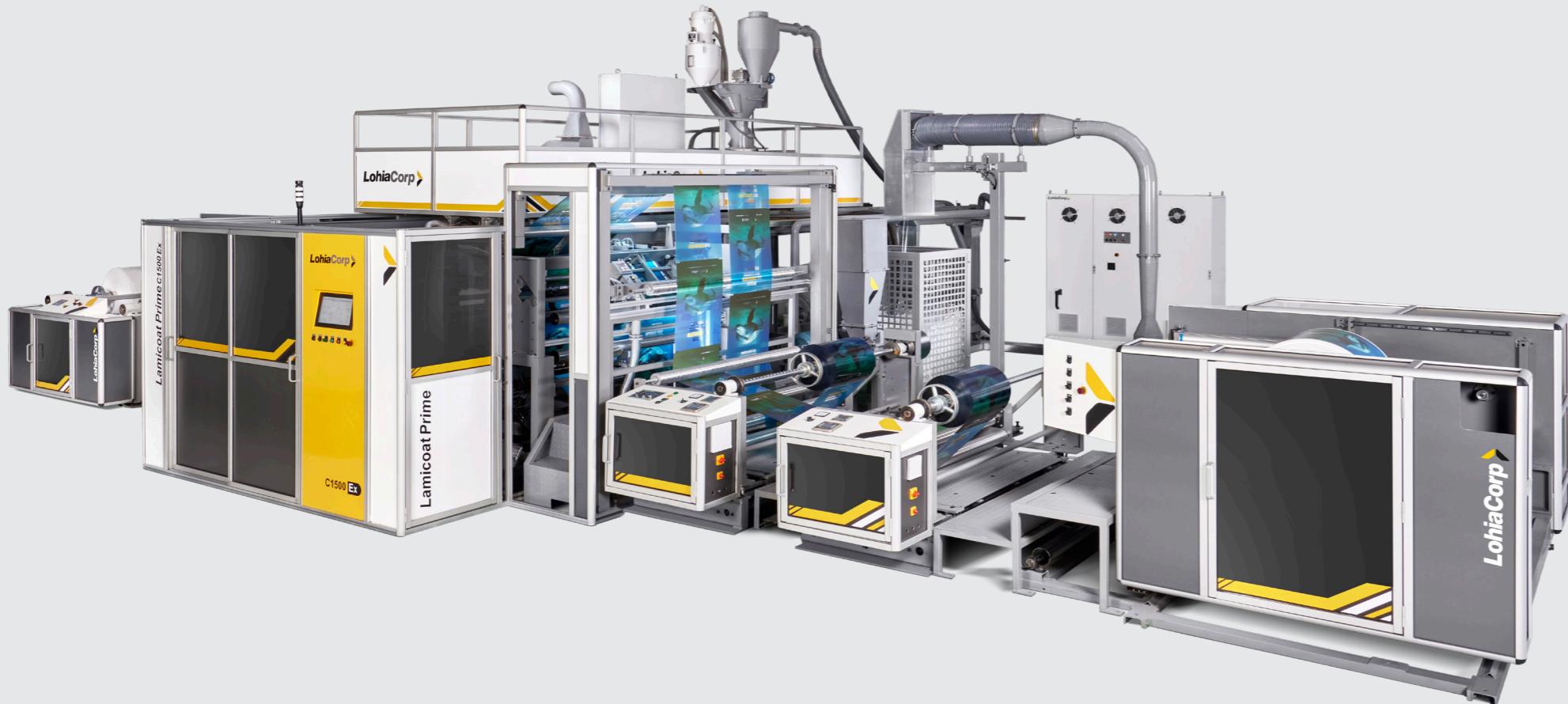


Photo shows Lamicoat Prime C1500Ex with BOPP Option

Lohia Corp, a pioneer in plastic woven fabric machinery, brings decades of proven engineering, innovation, manufacturing strength and strong service ecosystem around the globe. Reinforcing this legacy, SIPL (formerly Sundaram Industries), now a subsidiary of Lohia Corp, adding deep expertise in extrusion coating and lamination. This strong synergy translates into cost-effective, high-performance solutions across a wide range of applications, from small bags and block bottom bags to FIBCs, tarpaulins, geotextiles, and wide-width specialty products, delivering quality and reliability you can trust.

OPTIONAL EQUIPMENT*

- Dosing and Mixing Unit
- Semi Auto Splicing Unwinder
- Turret Unwinder
- Auto Rewinder
- Melt Metering Pump
- Preheater for Fabric (Electrically heated roll/ Hot Plate)
- Corona Treater
- Perforation Device
- Sandwich Unit with Matching System

- Auto Poly Edge Trimming with Suction & Recycling
- Brush Type Cleaning
- Hoists for Main Unwinder/ Sandwich Unwinder/Rewinder

#Will vary depending on the model

Coating Width
300 to 4150 mm

Melt Output
140 to 750 kg/hr

FABRIC UNWINDER

Dual shaft-mounted rolls with semi-automatic splicing enable continuous operation with minimal waste. Load-cell-based pneumatic braking ensures stable & consistent fabric tension. Linear actuator edge-guiding system maintains precise web alignment during operation.



EXTRUDER & LAMINATOR UNIT

Uniform PP/LDPE melt quality with efficient homogenization, melt pump-driven pulsation-free flow, and continuous filtration via CoFit Screen Changer. Optimized T-die enables uniform flow, reduced edge beads, and online width adjustment.



BOPP SANDWICH LAMINATION UNIT

For high-quality sandwich lamination of printed BoPP (including metallized films, foils) & paper with woven or non-woven fabrics. Equipped with precise tension control, print-mark registration control, & an edge-guiding system to ensure accurate film handling, delivering premium multi-layer packaging solutions with excellent adhesion & alignment accuracy.



REWINDER

4-Roll Rewinder with automatic/semi-automatic fabric slicing arrangement & **Auto Rewinder** with automatic roll slicing and roll unloading arrangement.



CENTRAL CONTROL SYSTEM WITH SMART PLC

15" interactive HMI, Central control system that synchronizes extruder, laminator, and rewinder speeds, maintains coating thickness across all line speeds using Auto Extruder Speed Control (AES). Supports remote access, real-time monitoring, & process optimization.