

lamicoat

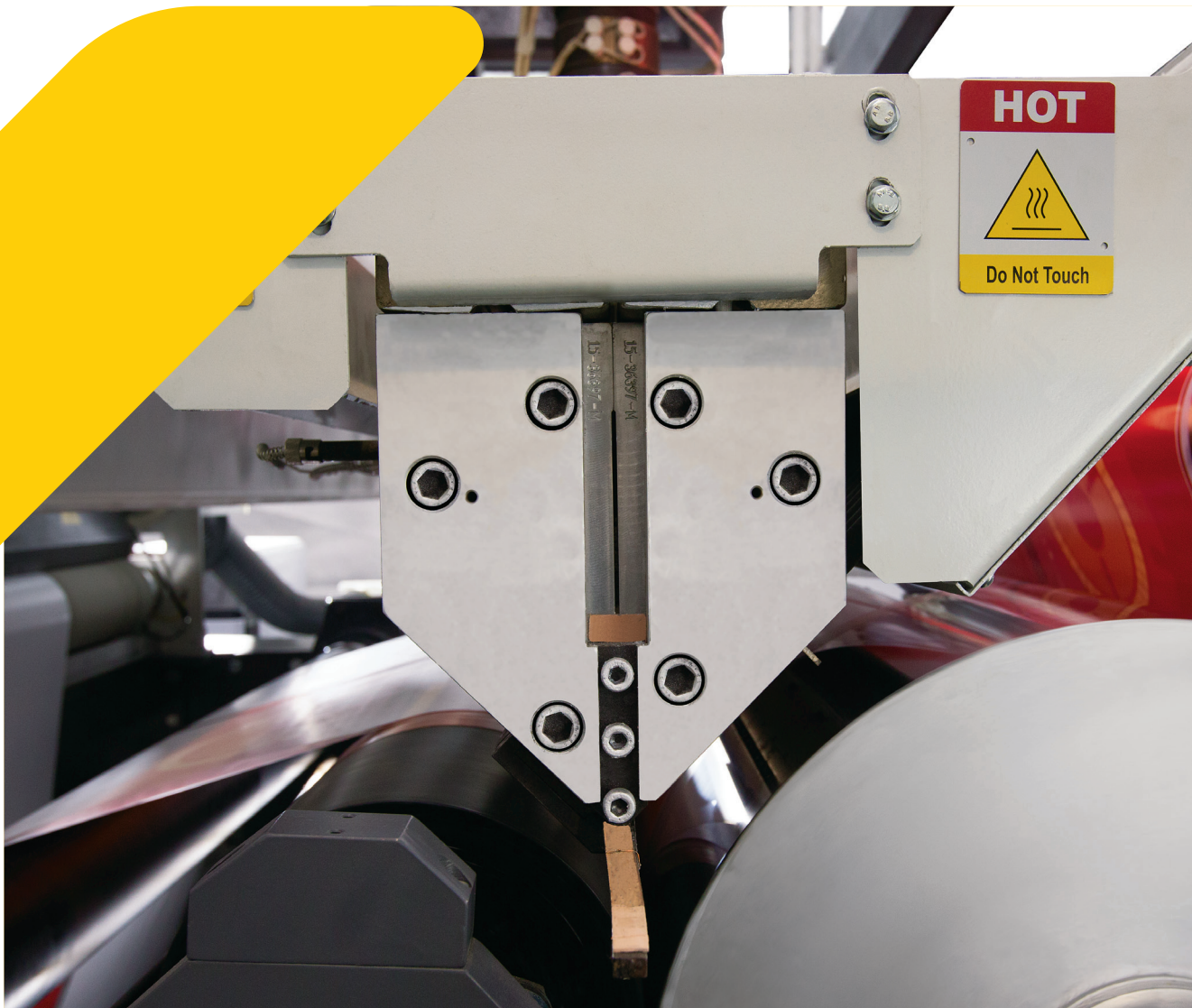
extrusion coating
& lamination lines

Excellent Coating Adhesion

Uniform Coating Thickness

Minimal Loss of Fabric Strength after Coating

Standard Solutions for Versatile Applications



lamicoat

extrusion coating & lamination lines

Designed for high quality coating & lamination on flat/tubular PP/HDPE woven fabric



lamicoat 1600TX with BOPP option and accumulator option

lamicoat is designed for extrusion coating on PP/HDPE woven fabric. The extruder is designed to coat PP or LDPE polymer or a combination, on both sides in a single operation.

The machine is also capable for single and double-sided lamination of BOPP/Film on PP/HDPE woven fabric. Unwinder(s) for lamination with suitable registration control are provided.

OPTIONAL EQUIPMENTS#

- Dosing and Mixing Unit
- Melt Metering Pump
- Self Cleaning Screen Changer
- Additional Pre-Heat Roller
- Different Die Deckling Options
- Chill Roller- mirror/Matt/Pearl Beaded etc
- Additional Unwinder(s) for Lamination for substrates like BOPP
- Fabric Accumulator for high speed operation

#Will Vary Depending on the Model

FABRIC UNWINDER



Continuous Operation: The two rolls mounted on pneumatic shafts enable alternate use for continuous operation, minimize waste and to deliver consistent quality.

Splicer Unit facilitates automatic/semi-automatic roll splicing.

Constant Unwinding Tension: The load cell and pneumatic braking system ensure constant unwinding tension of the fabric.

Linear Actuator Edge Guiding System provides precise alignment of the web during operation.

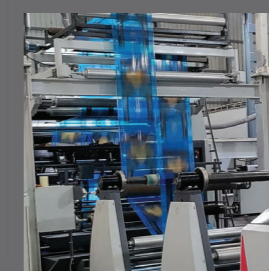
EXTRUDER



Proper Mixing of the Melt: The extruder has a universal screw for processing blends of PP/LDPE PP or LDPE or both. A proper mixing of the melt before the die is ensured.

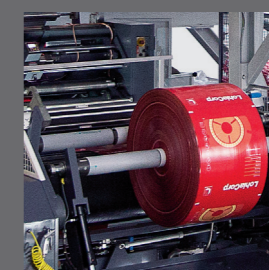
Coating Die Profile and construction are designed for perfect flow properties of the melt with highly polished flow channels.

AUXILIARY UNWINDER



Multiple Unwinder Combinations The machine has been designed with multiple unwinder combinations - for eg: use of single film for flat and tubular fabrics or use of separate films for the two surfaces of tubular fabric. Options are also available for a reserve unwinder for the BOPP film.

REWINDER



Continuous / Non-stop Operation: The rewinder allows fabric roll changeover with a continuous/non-stop operation.

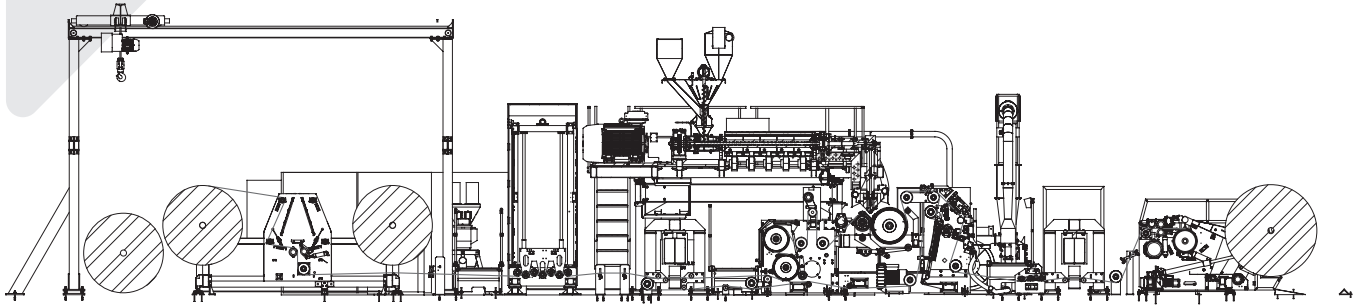
Pneumatic Shafts are used for holding the fabric roll. The reserve pneumatic shafts are loaded on the rewinder using hydraulically assisted arms in some models.

Centralized PLC system: Advance PLC

based control system with easy to navigate touch screen, located on the Laminator, offers display and management of process parameters, integrated trends, error and help messages; password governed access levels for protecting vital parameters; product recipe management and provision for connecting to an external printer.

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	<i>lamicoat 1600 Tx</i>	<i>lamicoat 1600 Ex</i>	<i>lamicoat 2500</i>
Screw Diameter	50 mm	50 mm	90 mm
Extrusion Melt Capacity – PP/LDPE	330 kg/hr	250 kg/hr	330 kg/hr
Line Speed Mechanical (max.)	200 m/min - Coating* 150 m/min - Laminating	150 m/min - Coating 120 m/min - Laminating	120 m/min - Coating
Die – Slot Width	1800 mm**	1800 mm**	2700 mm**
Die – Working Width	1600 mm**	1600 mm**	2500 mm**
Working Width – Flat Fabric	700 to 1600 mm	700 to 1600 mm	1500 to 2500 mm
Working Width – Tubular Fabric	350 to 750 mm	300 to 750 mm	1500 to 2500 mm
Preheating of Woven Fabric Before Coating/Lamination	Included (Both Sides)	Included (Single Side)	Included (Both Sides)
Corona for Woven Fabric	Included	Optional	Optional for Fabric
Lamination Substrate	BOPP	BOPP	Not Available
Tubular Fabric Lamination	Available	Available	Not Available
Configuration of Auxiliary Unwinders	One/Two	One/Two	Not Available
Hoist for Unwinder	Included	Included	Included
Hoist for Auxiliary Unwinders	Included	Optional	Not Available
Dimensions (L x W x H)	26.5 x 8.14 x 4.34 m	24.5 x 8.14 x 4.34 m	16.45 x 11.44 x 4.75 m

* With fabric accumulator.

** Other options available on request.

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.

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