Compact LME Solventless Lamination Machine
LME-SF800 / SF1000
Mid Web Laminator – Compact Digital

- Compact Machine Designed for Digital
- Integrated Real Time Adhesive Coat Weight Measurement System
- Short Web Foot Print
- Closed Loop Tension Control
- Easy Access to Coating Station
- Sleeved Coating Roller
- Precise Coat Weight via 5 Roller Coating Roller Design
- Small Foot Print - Integrated Electrical Panel
Layout

Film threading
Machine Specifications

• Material Width
  – 350mm to 850mm (25.59” to 33.46”)
  – 350mm to 1000mm (25.59” to 41.825”)

• Unwind Diameters
  – 800mm / 31.5”

• Rewind Diameter
  – 800mm / 31.5”

• Max Machine & Lamination Speed
  – 400 Meters / Min
  – 1,312.34 Feet / Min
Real Time Advantage Feedback

✓ Includes Machine Parameters & Coat Weight Measurement Screen

✓ Standard Practice is to check adhesive coat weight after the roll has been laminated. As in digital, many times, the job is a roll. Any mistake, back to print $$.

✓ Our solution, promotes quality, saves money & time.
**Inline Coat Weight Measurement Advantages**

**IMPROVE PRODUCTION EFFICIENCY**
Shorten the confirmation time before production

**REDUCE COSTS**
Find out the quality problems in time to reduce the lot loss
Early detection of quality problems will reduce material loss and customer returns

**MINIMIZE QUALITY PROBLEMS**
Inspect if any factors causing defects:
1. Over coating, insufficient coating, and uneven coating
2. The incorrect mixing ratio
3. The usage of the reacted adhesive

**MONITOR PRODUCTION**
With on-line measurement, it is possible to continuously monitor production
Coating System

- 5 Roller System
  - Doctoring Roller
  - Dosing Roller
  - Sleeved Transfer Roller
  - Coating Roller
  - Nip Pressure Roller
- 3 Motor Independent Control
  - AC Vector with Reducer for Dosing Roller
  - AC Vector with Reducer for Transfer Roller
  - Servo for Coating Roller
Sleeved Adhesive Transfer Roller

- Sleeved Adhesive Transfer Roller
- Easy Change Over
- Higher Precision & Maintenance
**lr.products, bi-2 mixer MINI**, utilizes a gear pumping technology, controlled by an industrial electronic PLC platform and a proprietary developed software.

**Accurate and Reliable:**
- Consistent Production control
- Automatic g/m2 calculations “on the fly” ratio changes
- Production data reports
- Trouble-free Maintenance
- Several automatic refilling options
Rigid Shaftless Unwind & Rewinds

- Easy roll mounting
- Load car assistance
HMI function for all machine controls

- Speed setting
- Meter setting
- Winder setting
- Tension setting
- Invert status
- Input status
- Output status
- Maintenance
- Other setting
- Message
- LMC
Web Guide System

- Ultra Sonic Edge Control
- Dual Head for Unwind Rolls
- Easy Setup & Maintenance
Corona Treater Integration

- Treatment Critical for Bond Strength
- Choose from Multiple OEM Vendors – Vetaphone Standard
- Mounted on Top of Machine for both First & Second Unwinds
Temperature Control – Heaters & Chiller

- Turn Key Temperature Controller System
- Temperature Controllers for Heated Rollers - Included
  - Feeder Roller
  - Application Roller
  - Lamination Roller
- Chiller - Optional
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