1500 Embosser

The Embossing Rollers are designed for processing pure aluminum foil.

- Smooth operation at high speed
- Designed for pure aluminum foils
- A pair of digitally etched rollers make perfect products

Kornylak Corporation

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1500 EMBOSSER - Aluminum Foil Embossing Machine

The 1500 Aluminum Foil Embossing Machine is the perfect equipment for making deep pattern laminating material. It is generally used on pure Aluminum foils at speeds of 5-40 meters per minute. Hydraulic arms assist in the loading of the material into the machine. Decorative patterns are produced continuously by digitally matched rollers. The male roller embosses the pattern against the female roller.

The speed of these rollers is controlled by an AC inverter, while the tension is automatically regulated by a brake on the unwind spindle. A Mitsubishi Tension Controller operates this brake and provides a digital display of its function. The rewind spindle is driven by a torque motor to receive the embossed material.

Features:

- Heavy duty machined steel framework.
- Unwinder uses hydraulic loading with LPC photoelectric alignment.
- Mitsubishi magnetic powder brake and a constant tension control for the unwinder.
- The shafts of the unloader and rewinder come with pneumatic gripping.
- Rewinder applies constant tension by air cylinders.
- The auto-unloading is controlled by a torque motor.
- 5.5 kW drive motor and inverter.
- High precision transmission.

Specifications:

Diameter of the support core for winding and unwinding: 150 mm (6”).
Width of roller surface: 1500 mm (59”).
Maximum material width: 1350 mm (53”).
Thickness range of material: 0.06-0.12 mm.
Maximum diameter of the unwind roll: 915 mm (36”).
Maximum diameter of the rewind roll: 1525 mm (60”).
Unwind guidance deviation allowed: +/- 20 mm.
Running speed: adjustable 5-40 M/min.
Main motor power: 5.5 kW (7.37 hp).
Total machine power: ~12 kW.
Power supply: 380 VAC/3-PH/50 Hz.
Machine dimensions: L=4500 mm, W=2600 mm, H=1600 mm (177” x 102” x 63”).

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