



Holographic Wide Web 52”(132cm) Hard Embossing Machine

HOLOPRESS
EBW 2452 TEC / HS

Embossing width: 12” to 52”, 24” Repeat



Equipment Description and Function:

The wide web embossing machine utilizes high pressure and heat to emboss metallized and / or lacquer coated materials such as hot stamp foils and PET, with a maximum web width of 52”.

Uniquely designed low shift cams insure an even repeat, long shim life and superior, even brightness.

Embossable Substrates:

- 12 – 23mic. Hot stamping foil
- 16 – 50 mic. PET
- 20 – 40mic. PVC



Specifications:

Basic Repeat length: 24"

Web width: 52"

Embossing width: from 12" to 52"

Roll diameter: 450mm (18 inch) maximum on unwind and rewind.

Micrometer type web adjustment of setting overlap.

Speed adjustable to a maximum of 60 m/min. (200 fpm). (Depending on material)

Main control panel features unwind and rewind tension readouts, line speed and web counter.

Unwind Station

76,2mm (3 inch) diameter button-style airshaft can accommodate 3 inch cores for handling 52" wide by up to 18 inch outside diameter rolls.

Tension control system consists of electro magnetic brake and tension transducers (dead shaft type).

Automatic web edge guide system with ultrasonic head accommodates clear and metallized products.

Embossing Station:

The first nip point, between the embossing roll and a compliant roll, produces a 24" linear pattern. The web when travels over web adjuster rolls so that the printed section is placed into the exact location for the second nip point, to produce the desired overlap. A web adjuster roll can be adjusted manually via a hand wheel while the machine is running.

Next, the web exits the embossing station, and proceeds over to a special roller to avoid wrinkles before rewinding.

Each compliant pressure roller is powered by two hydraulic cylinders, which are individually adjustable.

The embossing roller is internally heated with an electric heater eartridge.

The embossing roller is driven by a DC motor reducer drive package, which is synchronised with the unwind brake and the rewind motor for a smooth web drive.

Rewind Assembly:

76,2mm (3 inch) diameter button-style airshaft can accommodate 3 inch cores for handling 52" wide by up to 18 inch outside diameter rolls. (6 inch adapters are optional). Integrated winder motor and tension transducers provide properly wound rolls.

Free Standing Control Panel:

Houses all machine controls, except the hydraulic pressure regulator and overlap adjustment.



Machine Controls Include:

- Line start
- Line stop
- Line jog
- Forward / Reverse
- Line speed
- Emergency stop
- Reset
- Hydraulic start/stop
- Edge guide on/off
- Edge guide auto/centering
- Unwind / Rewind tension meters and controls
- Temperature control
- Left nip in/out
- Right nip in/out
- Oil heat unit

Documents:

- Machine layout.
- Electrical drawing.
- Commercial documents.
- Warranty Papers.

Tool Kit:

- Wrench set.
- Allen key set.
- Shim mounting fixture.
- Spare shim clamps.
- Extra bolts.
- Special tools.

Site Preparation and Installation Requirements:

Customer is to provide for all utility hook-ups and to arrange for the unloading and positioning of equipment in the factory. Customer is to provide labor and moving equipment for final assembly. All services are to be pre-installed by the customer according to a plant jointly developed by the customer and the supplier. Embossing area should be climate and dust controlled. Customer is to provide roll lifting equipment and exust ducting to the outside of the building. Customer is to provide exhaust hood over embossing station.

Electrical requirements:

380V, 3 Phase, 50 Hz, 120 Amp. Maximum voltage fluctuation +/- 10%.
220V, 50 Hz (electrical requirements may be modified to suit local power configuration upon request).
Power consumption will vary based on further options chosen.

Air requirements:

80 – 100 PSI
Compressed air, 80 PSI minimum, for brakes and air chucks.
Ambient temperature 20 – 27° C (68 – 80°F)
Humidity: 65% maximum
Lifting and moving equipment adequate to handle 6500 lbs.



Training:

Training is to be provided at the sellers factory. The duration of the training period is 5 working days. We recommend two trainees with backgrounds in printing be trained to operate the embossing machine.

The training program will include the following:

Safety.

Embossing cylinder preparation.

Temperature controls and repeat adjustment.

Embossing of hot stamp foils.

Air fare, local room and board to be paid by the buyer, local transportation to be provided by the seller.

Installation on site: Air fare, meals, lodging and local transportation to be payed and provided by the buyer.

Testing Materials: Testing materials for training and installation are to be provided by the buyer.

Price: Upon inquiry

Delivery time: Approximately 24 weeks after receipt of initial down payment.

Terms: 50 % down, 50 % by irrevocable L/C payable at sellers bank upon signature of Certificate of Acceptance at sellers factory.

Optional Equipment & Spare Parts:

- Vision System
- Web Cleaning System
- Complete pressure Rolls with Bearing Blocks
- Pressure Rolls
- Bearing Blocks for Pressure Rolls
- Main Bearings
- Rotary Joints.
- Pressure Roll Refinishing Kit
- Cams
- Shim Clamps
- 6" Core Chuck Adapters

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