

ETERNA always puts quality first during the development. Each product goes through rigorous and meticulous tests. Attention from every tiny detail, every production process, every technology procedure, even the small aspect of product management, is taken very seriously. Because we always uphold the philosophy of manufacturing the highest quality products for our customers.

Eterna is committed to creating Hot Foil Stamper with highest quality standards.

Specifications

Specifications of Longitudinal Foil Stamping System

Max. Foil Width	1020 mm
Min. Foil Width	25 mm
Max. Stamping Area	1020 × 730 mm
Max. Foil Reel Diameter	Ø240 mm
Max. Foil Pull Length	730 mm

Specifications of Cross Foil Stamping System

Max. Foil Width	600 mm
Min. Foil Width	25 mm
Max. Stamping Area	1020 × 600 mm
Max. Foil Reel Diameter	Ø200 mm
Max. Foil Pull Length	1020 mm

Other Specifications of Hot Foil Stamping Unit

Temperature Range	0°C~160°C
Height of Embossing Dies	7 mm
Number of Heated Zones	12
Power for Heating	24 KW

* In the interests of product improvement, the manufacturer reserves its rights to change specifications and features without notice.

Stock Range

Cardboard	80-600 g/m ²
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Basic Performance

Max. Sheet Size	1050 × 750 mm
Min. Sheet Size	400 × 360 mm
Max. Mechanical Speed	7500 s/h
Max. Cutting Pressure	300 ton

Maximum Pile Height (incl. pallet)

Max. Pile Height at Feeder (Normal Mode)	1600 mm (+300 mm optional)
Max. Pile Height at Feeder (Non-stop Mode)	1200 mm (+300 mm optional)
Max. Pile Height at Delivery (Normal Mode)	1350 mm (+300 mm optional)
Max. Pile Height at Delivery (Non-stop Mode)	1200 mm (+300 mm optional)

Electrical

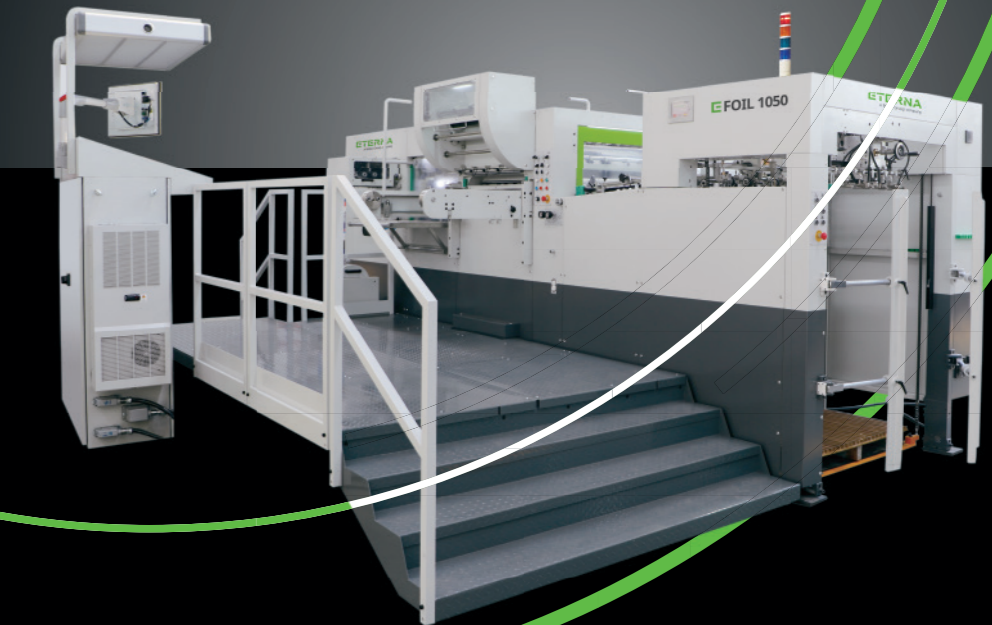
Total Power Required	65 kw
Max. Air Compressor Displacement	0.8 m ³ /min

Machine Dimensions	7075 × 4960 × 2810 mm
Net Weight	16 tons

Automatic Hot Foil Stamper

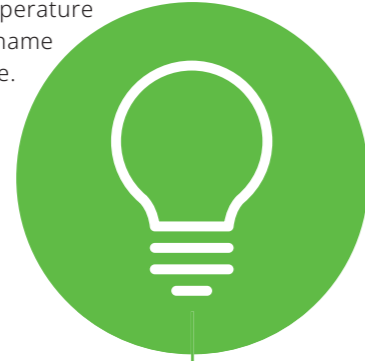
FOIL 1050

Simply efficient



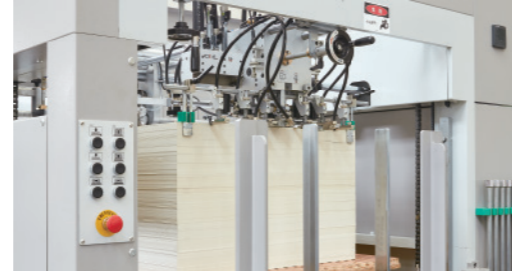
EFOIL 1050

EFOIL 1050 Automatic Foil Stamper is an enhanced product developed by Eterna combining years of experience, along with Group standards. It has more precisely controlled temperature on heating zones, quicker temperature recovery and better working pressure, just to name a few. This machine is designed for high-speed production with large stamping surface. It delivers consistent and excellent stamping results to boost your competitiveness in this challenging market.



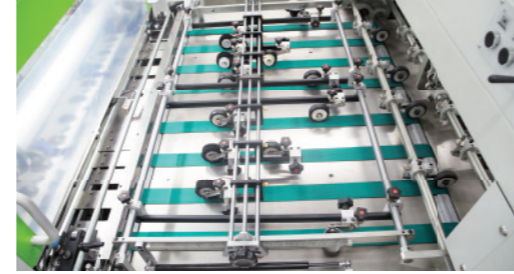
Main Features

- Non-stop Impression Off feature to effectively reduce burnt foil;
- Powerful Servo Motors for precision foil delivery;
- Pneumatic safety doors for easy adaptation of smart control;
- Cross foil pressure wheels can be easily and quickly moved into position without taking them off.



FEEDER

- Improved preloading design for easy loading onto main pallet directly with pallet jack;
- Powerful four pickup/four forward suction heads to ensure smooth transport;
- Patented turbo spiral air blower for better sheet lift.



FEED TABLE SECTION

- Slanted Feed Table to obtain stable and accurate registration, especially for lightweight paper at high speed;
- Side lays on both left- and right-hand sides push and pull easily convertible;
- Sheet slow down device of feeding belts with selective on/off switch to ensure accurate registration of the sheet at front lays.



NON-STOP IMPRESSION ON

- Impression On function can be switched on in high speed, without stopping the machine (actual speed automatically set depends on working pressure). Greatly reduce the number of wasted sheets and burnt foil due to machine stop/start cycle and increase productivity.



DIE-CUTTING & STAMPING

- Carefully and expertly calculated upper and mobile platen structures design, to reduce its weight and improve strength, thus reduce make-ready time and increase productivity;
- Electrically controlled impression on/off, coupled with precision working pressure measurements, to be displayed on screen to greatly reduce any guess work and give operation much better situation awareness.



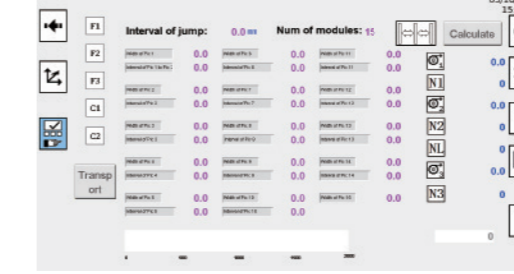
MICRO ADJUSTMENT IN BOTH RUNNING AND CROSS DIRECTIONS

- 5mm hardened stamping plate or 3.5mm + 1.5mm sandwich plate on top of 15 mm precision ground support base plate with +/- 0.9 mm micro adjustment in both running and cross directions for quick set up and easy make ready.



FOIL FEEDING SYSTEM

- Two servo motor (3.5KW) driven longitudinal foil advancing shafts each individually programmable for short and long foil stepping (3rd shaft optional), and each individually equipped with a holographic foil mark reading photo sensor (Optional).



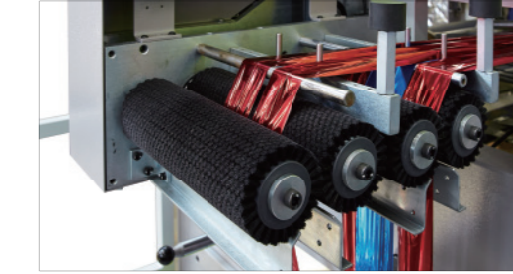
AUTOMATIC FOIL STEP CALCULATION AND SIMULATION

- All new Advanced Foil Control System for better and more accurate foil advancement. Real time simulation and ergonomically designed HMI for more accurate setting to save foil.



CROSS FOIL SYSTEM (OPTIONAL)

- Two optional cross foil shafts driven by 3.5KW high torque servo motors with high degree of precision;
- Pneumatic Rewinder with one button release for easy operation.



WASTE FOIL EJECTION BRUSH

- Two rows of synchronized, servo driven waste foil ejection brush for smooth waste foil ejection.



HOLOGRAM STAMPING SYSTEM

- Optional hologram stamping readers for precision hologram mark reading.



WASTE FOIL COLLECTION SYSTEMS (OPTIONAL)

- Optional three shaft Waste Foil Collection System specially designed for rewinding narrow waste foil strips (20-40 mm wide);
- Optional free standing waste foil revider with 6 torque motor driven shafts and 6 dancing rollers for persistent tension control.



DELIVERY SECTION

- Safety photocell sensors to ensure operator safety;
- Tape Inserter with counter;
- Adjustable segmented pressing brushes and sheet flattening blower to ensure stable sheet piling;
- Gripper bar drive chain tension adjustment.