

AUTOPRINT HOT FOIL UNIT

Hot foil stamping is a finishing method used to give texts and patterns an eye - catching appearance. The Hot foil can have a glossy or matte finish with a coloured, metallic or holographic appearance. The Size of the area can be covered varies from very small details such as logos, captions, key lines, pictures can be Hot foiled as per design. Hot foil enhances visual appeal and adds more value to every print job.

Autoprint introduces Hot foil facility as an optional feature with **Dextra - 80** Die - Punching Machine.



Special Features

Retrofitable Hot foil stamping Attachment

Dextra 80 can be converted for foil stamping application at site with a hot foil attachment.

Quick Changeover between Die Punching and Hot foil stamping

Additional Chase Bracket fitted with the heater plate is Provided for Hot stamping. Operator can easily replace the die punching chase bracket with the hot foil chase bracket and the foil stamping job can be started quickly. Similarly, after completing Hot foil stamping jobs, operator can immediately start die punching operation by changing the die chase. This is possible as the heater is fitted on the chase bracket and there is no need for the machine to cool down.

Power saving Heater Plate

Heater Plate has 3 heating zones which can be optimized depending on the sheet size and controlled with a separate panel box. These heaters have a independent thermostat which is used to set and reach the correct temperature very quickly.

Foil feeding system

Servo controlled foil feeding is running perpendicular to the direction of the paper feeding direction. Hot foil attachment is driven by 2 independent servo motors for pulling the correct length of foil with foil saver settings on the rewind section. Two different shafts are provided for foils, both on the unwind side and rewind side. Hence different pull lengths can be used simultaneously using the independent servo motors. Multiple foils of large diameter can be fixed on each shaft to reduce foil consumption. Another 2 servo motors are used to control the unwind section. Hot foil attachment is also provided with sensors to indicate the completion of foil roll and thereby reducing wastage.

Technical Specifications

Maximum Paper Size (L x W)	: 560 x 812 mm
Minimum Paper Size (L x W)	: 305 x 254 mm
Maximum Punching Area	: 540 x 790 mm
Paper Thickness	: 0.1 to 1 mm (80 - 600 gsm)
Feeder Pile Height	: 960 mm
Delivery Pile Height	: 825 mm
Punching Speed Max.	: 4500 sph
Die Height	: 23.8 mm
Gripper Margin Setting	: 10-13 mm
Punching Load	: 180 Tons
Punching Stroke	: 70 mm
Total Power	: 8.5 Kw (11HP)
Chase Interior Size	: 582 x 840 mm
Weight	: 8.5 Tons (Approx.)
Over all size (L x W x H)	: 3600 x 2350 x 1680 mm

Features at a Glance

- Compact machine
- Stream feeder
- Box type base frame for stability of machine
- Pull type side lay on both sides
- Double sheet detector
- Cross feed sensor
- Safety switch for machine manual drive
- High speed PLC based control with digital input / output modules
- Automatic switching program
- Motorized pile for smooth up and down movement
- Pre-pile facility loading by fork lift
- Early sheet sensing for minimum wastage
- Servo controlled gripper for register control and stacking at delivery
- Centralised touch screen control panel with PLC
- Patented software for maintaining excellent register quality for a long life
- Unloading delivery pile with fork lift
- Maintenance guidance program on touch screen panel
- Guards provided for operator safety
- Protection of electronic circuits through UPS
- Easy removal of die unit by chase turn over mechanism
- Quick change-over of dies
- Chase turnover assembly
- Automatic delivery stacker
- Counter at delivery
- Extra delivery pile board
- Enhanced productivity
- Provision for taking sample sheet at delivery while working
- Motorized centralized lubrication system
- Three point register for precise positioning
- Quick job change over by using 4 mm hardened plate with 1 mm sheet
- Full oil bath for punching unit

Technical Specifications

Maximum foil roller diameter	: Ø 250 mm	Hot foil speed	: 3000 IPH
Maximum width of the the foil	: 540 mm	Gripper margin	: 20 mm
No. of heating zones	: 3 heating zones length wise divided in OPS to NOPS direction	Foil thickness to be used	: 16 Microns (Average)
		Hot Foil Unit Weight	: 0.5 Ton (Approx.)



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