



EX-1050FH Automatic Foil Stamping & Die Cutting Machine



We in order to meet various request of printing and packing market, we designed 1050FH Automatic Foil Stamping Die Cutting Machine, which is the greatest research and development and manufacturing of new equipment with a higher degree of intelligence.

This machine adopts numerous advanced pneumatic and servo driving processing technology from abroad. After the strict assembly quality control, it has advantage of simple operation and safe reliable.

It could foil stamping, creasing and die cutting after printing products, such as more than 80g/m² paper, cardboard, corrugated paper below 4mm, pasting paper, laminating paper and so on.

Good quality and design make machine work stably and safety when machine's speed reach 7500 sheets/h. This machine will provide you to enjoy the comfortable operation and faster return on investment.



Samples:



Machine Parameters:

Max. Paper Size	1050×750 mm
Min. Paper Size	400×360 mm
Max. Cutting Size	1040×720 mm
Max. Foil Stamping Size	1020×720 mm
Inner Chase Size	1080×745 mm
Steel Plate Size	1080×736 mm
Processed Materials	Cardboard: 80~2000 g/m ² Corrugated Paper: ≤4mm
Max. Pressure	300 N/cm ²
Gripper Margin	8 mm
Max. Working Speed	7500 s/h
Total Weight	16.8 T
Dimension (L×W×H)	7060×4200×2230 mm
Max. Feeding Pile Height	1600 mm
Max. Delivery Pile Height	1450 mm
Foil Shaft	V3+H2
Vertical foil stamping section performance specification	
Max. Foil Width	1020 mm
Min. Foil Width	25 mm
Max. Length of Pull Foil	700 mm
Max. Diameter of Foil	Φ 240mm
Horizontal foil stamping section performance specification	
Max. Foil Width	600 mm

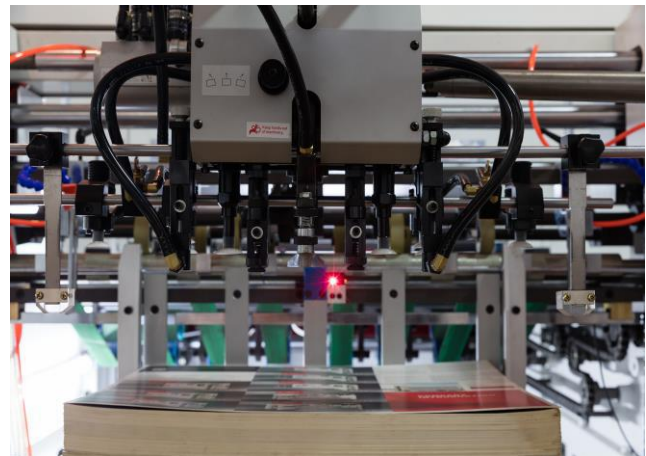


Min. Foil Width	25 mm
Max. Length of Pull Foil	1020 mm
Max. Diameter of Foil	Φ200
Foil stamping system&other comprehensive performance specification	
Stamping temp. adjustable range	0°C~200°C
Heating zones	12
Heated Plate Power	24
Total Power	57
Voltage Requirements	380V
Air compressor	0.8Mpa, 0.36m ³ /min

Machine features:

1. Feeder/Feeding Section

- * Imported high quality feeder, high precision, stable in high speed.
 - * Four suction nozzles, four sending nozzles, ensure feeding smoothly.
 - * Adopt imported screw air-blowing device, it could make the sheet send smoothly.
 - * Suction angle and height can be adjustable.
 - * Non-stop paper feeding device
 - * Double sheet detecting system
 - * Suction-blow two function vacuum pump
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- * The design of stacker preparatory stage was improved, it could use prepared car sheet piling. Also could use ordinary hydraulic car sheet piling to stacker directly.





2. Feeding Positioning Section



The incline-type paper moving table top is more suitable to high-speed thin paper and location. Side location adopt dual purpose side device with pull guide and push guide, accounting to paper choose, it makes switch easier. It could switch front rise position arriving reduction of speed device, it is benefit of thin paper's location.

3. Cutting Section/Horizontal and vertical foil stamping system



Adopt advanced technology with single gripper location could adjust the front-and-back registration. Horizontal hot stamping dual-axis/Vertical hot stamping collection of waste foil frame into operation side, it is benefit of operation. 12 electric heating areas have timing pneumatic temperature controller function, each area can be controlled separately. It makes foil-delivering servo curve tracking the speed variation of machine in time for using motion controller. So it could reach the foil-delivering smoothly.



4. Foil Stamping/ Die Cutting Section



Foil Stamping Plate



Die Cutting Plate

The driving gear ensures high speed of die cutting together. The pneumatic locking mechanism and air clutch are fast and stable. The die cutting frame can prevent the die cutting plate from drooping or separating effectively.

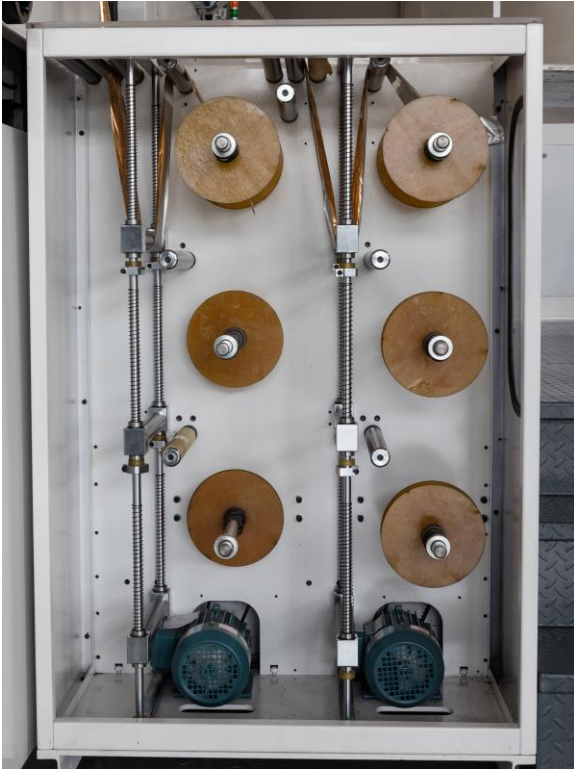
5. Quick Changed Foil Device



Vertical under foil frame could be pulled out of machine, so that it could make the foil work more convenient.

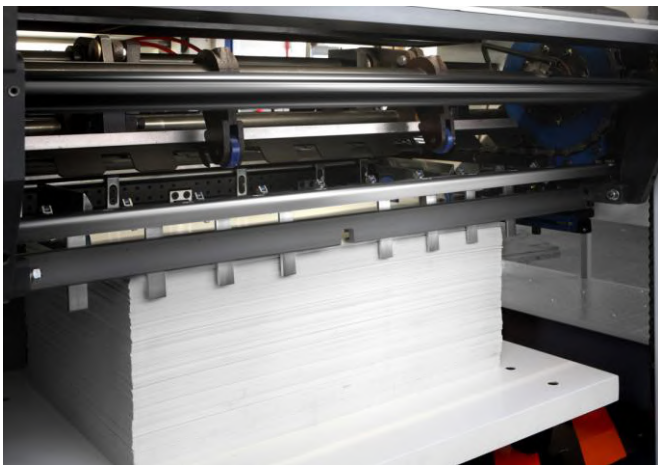


6. Rewinding Device



There has brush rewinding foil function. And it has equipped with a re-coil collection waste foil device. The buffer force prevent the foil from broken.

8. Delivery Section



Delivery section add tester into security system. It is equipped with inset counter. Using subsection could adjust brush and sheet air-blowing device, so the finished product of delivery section could product stably. Gripper drive train expanded buffer device. A non-stop paper delivery device bring high efficiency and fast return.



Control Station

Control the quality of the product, you can adjust the Zone temperature and some other operation from the display screen.

Other important features:



1. Pneumatic Clutch

The high quality pneumatic clutch reduces noise and minimizes impact when stopping the machine at a high speed.



2. Lubrication System

With a programmable lubrication system, the accurate control of PLC ensures balanced lubrication of the machine.



3. Vacuum Pump

Adopt imported equipment, improve the stability of the machine, low noise, high performance, long service life.



4. Gripper and Chain

The grippers are made of special extra hard aluminum alloy, with anode treatment on the surface, ensuring accurate die cutting and embossing, etc. at high speed. The adjustment mechanism, patent design guarantees very accurate control. An imported chain is used for the main gripper transmission, with strength increased by 45% for accurate stability and prolonged life.

5. Segmentation&Torque limiter

High Precision Segmentation and Torque limiter prevent the damage from outer force of the gripper.





6. Electrical Cabinet

Electronic components are all world-famous, high quality ensured.



7. Plates Quick Change Device



Shorten the time for changing Plate, Improve the production efficiency.