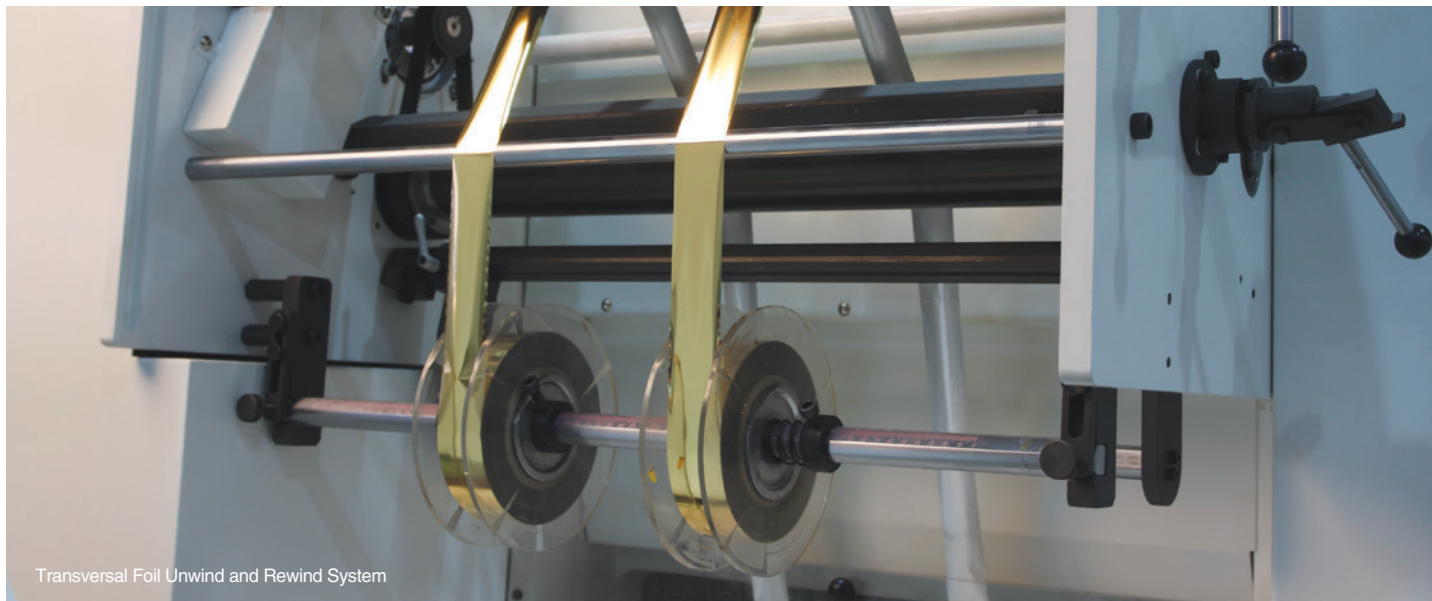


Foil Stamping Computer Controlling System

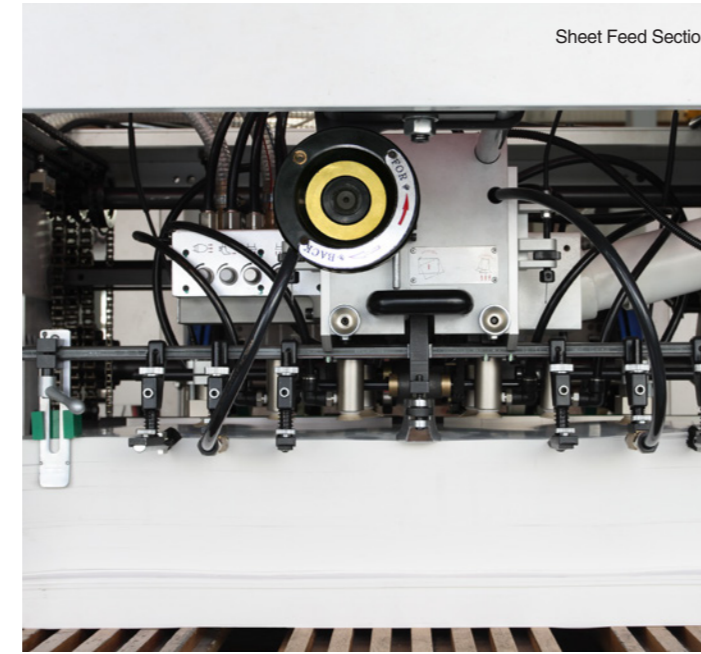
Independent development of VMP2005 foil stamping control system, working on Windows XP. (Software copyright: 2008SR05319). Using an industry standard PC all electric controls are operated within the program, which is also capable of handling complex foil advance calculations. With the precise calculation, the programme efficiently improves foil usage. The hologram foil stamping accuracy is $\pm 0.2\text{mm}$. The system can feed foil from a 740mm maximum to a 1mm minimum even running at high speed.



Foil Stamping Computer Controlling System



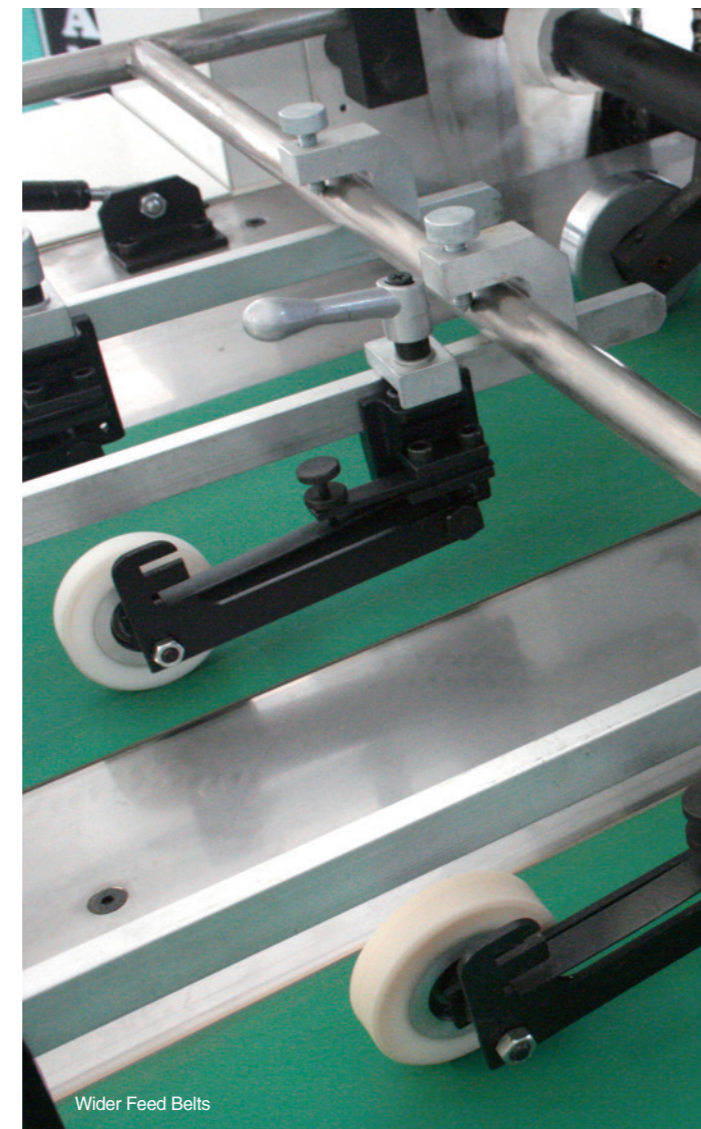
Transversal Foil Unwind and Rewind System



Sheet Feed Section

Wider Feed Belts

Two wider feed belts, which are easily adjustable, ensures the paper is transported accurately to the front lays.



Wider Feed Belts

Feeder

High speed feeder is made of special aluminum alloy thus ensuring reliability and a long working life. 3 devices prevent feeder from crashing. Lateral manual adjustment device for feeder pile. The powerful feeder is equipped with 4 lifting suction cups and 5 transport suction cups; the lateral movement of the suction cups are independently adjustable according to the paper deformation. Blowers on both sides of the feed system separate the product for a smooth feeding process.

Sheet Feed Section

The Sheet feed section uses a synchronised transmission belt to ensure the smoother feeding. The slow-down device is extremely useful when feeding thin paper. Sheet detectors and control systems also reduce paper waste. The side guides can be changed quickly by adjusting one screw.

Single-Position Engagement Clutch

The sheet feed section and the host transmission parts can separate or synchronous combine at any time, simplify and convenient the operation, the feed section can be split or combined no matter plan drafting or pressure testing.

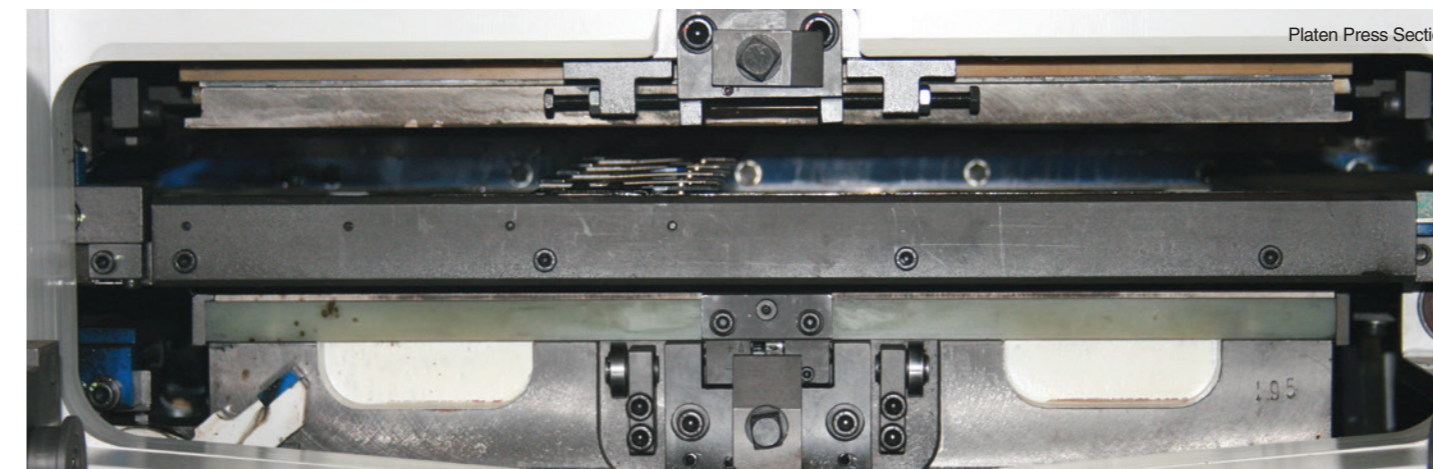


Clutch



Platen Press Section

The worm wheel and worm set products are imported from Taiwan whilst the crankshaft is manufactured in our own machining center. The key transmission parts provide our customer with reliability and durability. The platen walls and base are made of ductile iron in line with British casting standard.




Platen Press Section

Lower Supporting Plate

Lower supporting plate is made from precision machining of imported special material and 3mm and 1mm steel plate in this combined application, making die stamping techniques easy to achieve, and more convenient for repeat jobs, 1mm steel plate achieves better and quicker make readys, and with the centerline positioning function die positioning is much simpler and quicker.

High Speed, High Precision, High Stability
Beyond Ourselves, Almost Exaction

MK920YMI
Automatic Platen Foil Stamping and Die
Cutting Machine

Sheet-Fed 

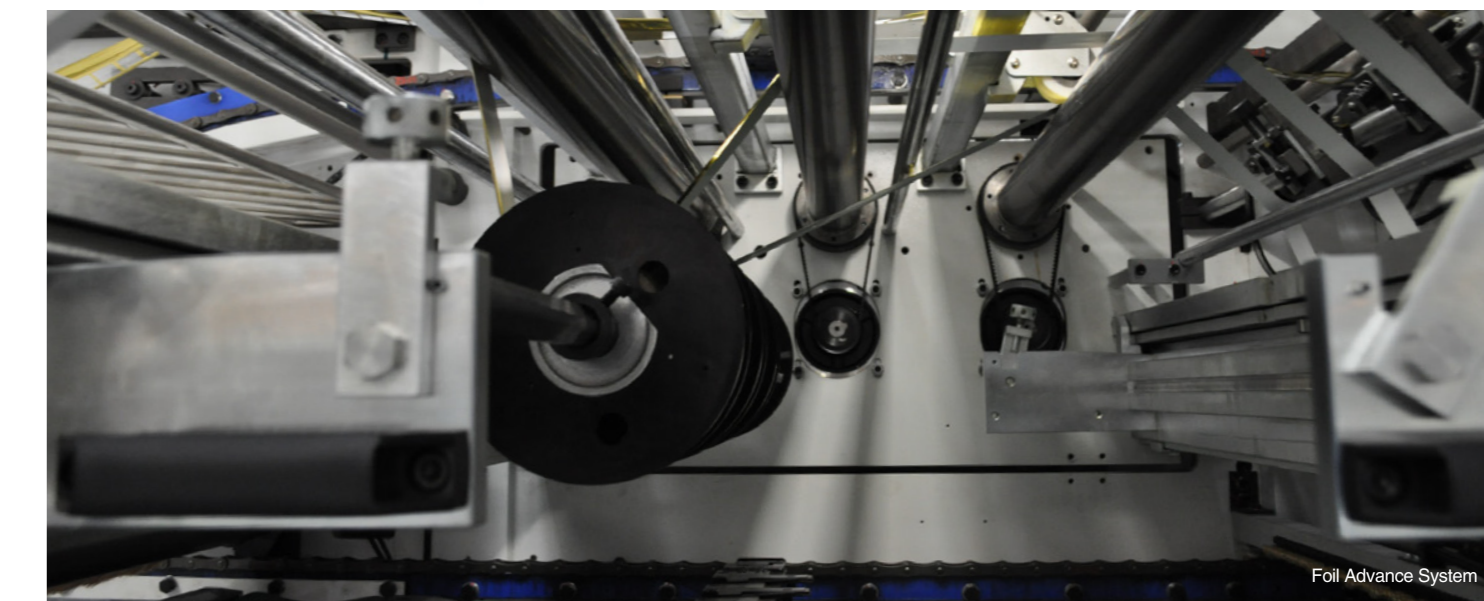
Platen 

Foil Stamping 

Die Cutting 

Stamping Section

3 longitudinal & 2 transversal axis foil feeding system, ensures the foil tension is more precise and fed accurately at high speed, the aluminum foil stretch is small and the error is approx 1mm. The powerful waste foil collection uses imported servo motors, which guarantee stable and precise foil stamping at high speeds. The honeycomb chase is made of a special material of high heat setting treatment. Heat-resistant bars and special anti-skid devices achieve more accurate and perfect stamping results. 20 individual heating zones. The independently developed PID accuracy control heating system can control the stability of the foil stamping plate, ensuring that the whole heating system is balanced and responds faster.



Foil Advance System

Technical Data	MK920YMI
Max sheet size	920mmx650mm
Min sheet size	360mmx320mm
Max die cutting size	910mmx630mm
Max stamping size	900mmx600mm
Inner chase size	960mmX666mm
Gripper margin	9-17mm
Stock range	90-2000g/m ² paper 0.1-2mm paper ≤4mm corrugated
Die cutting accuracy	≤ ± 0.075mm (Die cutting and stamping) ≤ ± 0.2mm (Hologram stamping)
Max die cutting force	200 tons
Max die cutting speed	7500 s/h Die cutting 6500s/h Stamping 5500 s/h Hologram
Max feeder pile height	1240mm (wooden pallet included)
Max delivery pile height	1000mm(wooden pallet included)
Widest dimension of in longitudinal/ transversal	φ250mm (Longitudinal) /φ200mm (Transversal)
Number of heating zones	20 heating zones, 40-180°C Adjustable
Overall dimension	5600mm(L)x4500mm(W:platform included)x2200mm(H)
Net weight approx	About 14 tons
Main motor wattage	11KW
Full load wattage	43.6KW
Air requirement	0.6-0.7Mpa, ≥0.6 m ³ /min
Power supply	380V ± 10%/ 50HZ/ 3-phase with grounding

To configure ● Standard configuration ○ Optional configuration

The high-speed feeder is adjusted with 4 lifting suction cups and 5 carrier suction cups	●
Non-stop sheet feed system with high speed	●
Non-stop sheet delivery system	● Manual ○ Pneumatic
Single-position engagement clutch with high-performance	●
Conveyor belt wide in width	●
Vacuum feeding system	—
Pneumatic side lay	—
Imported torque restrainer	●
Imported worm wheel and worm set products	●
Pneumatic locking device	●
Bi-directional pneumatic locking device	—
3+1mm adjustable lower supporting plate	●
Films fasten device	●
Standard honeycomb chase	●
Standard die-cutting chase	○
Chase quick locking device	○
Imported pneumatic clutch	●
High precision transversal servo foil feeding system	●
High precision longitudinal servo foil feeding system	●
Foil unwind device	●
Foil break detector	●
Air blast foil separation system	●
20 heating zones	●
Central registration system	●
High speed indexing device	●
Patent design gripper bar	●
Automatic lubricating system	●
CE certification	●
Overload protector	●
Mitsubishi PLC Q series	—
Mitsubishi PLC FX series	●
Chase preparation stand	○
Pre-stacking device	○
Pre-loading device	○
Pre-stocking device	●
Used foil rewind device	○
Hologram foil stamping	○

Brochure content is only for reference, the machines please refer to the actual products.



Masterwork Machinery Co.,Ltd was established in 1995. It is specifically established as a high technology manufacturer of print finishing equipment. On March 29th, 2012, Masterwork Machinery Co.,Ltd has successfully listed on the stock exchange in Shenzhen, which lays a solid foundation for the company's further development.

At present, Masterwork Machinery Co.,Ltd can be found in over 20 countries. The company has continuously given full play to the advantages in resource, technology and talents. It devotes itself to promoting the core business--manufacture of the printing & packaging equipment. The products have gained acceptance all over the world. Masterwork Machinery Co.,Ltd has become one of the preferred suppliers for the solutions of the global print finishing equipment.

For one company and successful team, every step made is covered with sweat and smile. Hard forward and rain or shine is the promise made by MK, and its belief for the future. The past excellent performance has laid a solid foundation for MK's sustainable growth. MK hopes to achieve the bright future by the close co-operation with the business partner.

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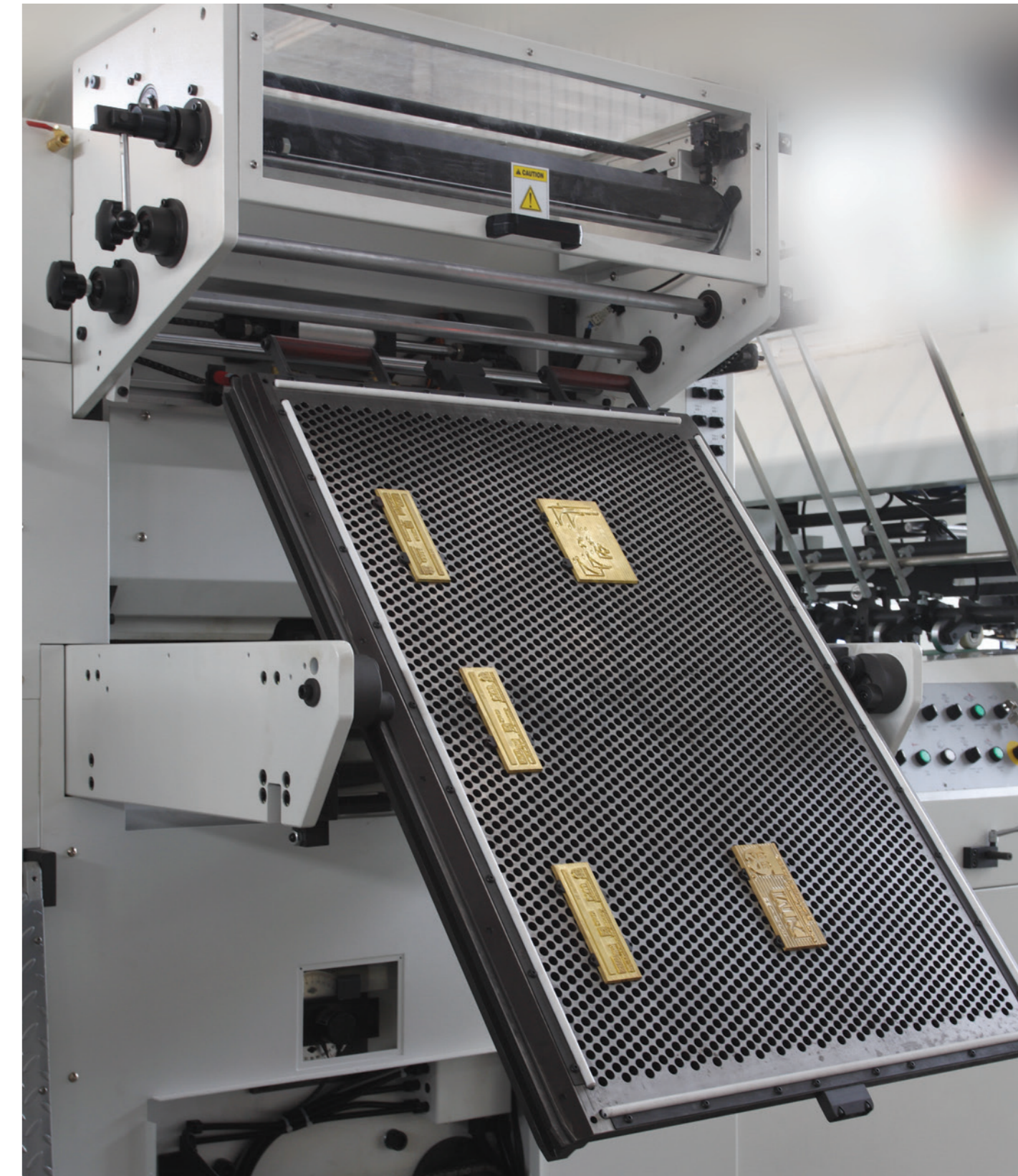
有恒·长荣
Together & Better



A Versatile Introduction to Foil Stamping

MK920YMI
Automatic Platen Foil Stamping and Die Cutting Machine

天津长荣印刷设备股份有限公司
MASTERWORK MACHINERY CO., LTD.



The Excellent New Cost Effective Alternative

● Standard layout with 3 longitudinal & 2 transversal axis independent foil feeding system, both vertical and horizontal can be used independently or simultaneously. Transportation of aluminum foil is flexible, which can maximise cost savings of foil.