

**Sheet Feed Section**

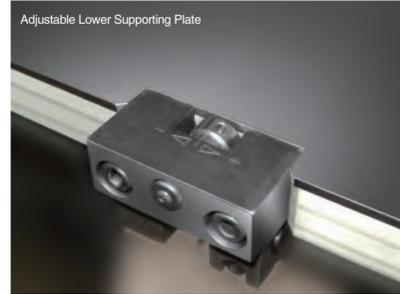
3 devices prevent feeder from crashing. Lateral manual adjustment device for feeder pile. The powerful feeder is equipped with 4 lifting suction cups and 5 transport suction cups; the lateral direction of suction cups are adjustable according to the paper deformation. Blowers on both sides of the feed system separate the product for a smooth feeding process.1060YMI equips the two-directional electrical fine adjustment to give easier operation.

**Feed Table**

A timing belt is used for the feed table which improves presentation to the front and side lays. The slow-down device is useful when feeding thin paper. Sheet detectors and control systems reduce paper waste. The side guides can be changed from push to pull by the simple adjustment of one screw. The wide conveyor belts ensure the smooth transportation of the sheets accurately to the front and side lays units.

**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 seat are made of ductile iron in line with British Meehanite casting standard.



**Lower Supporting Plate**

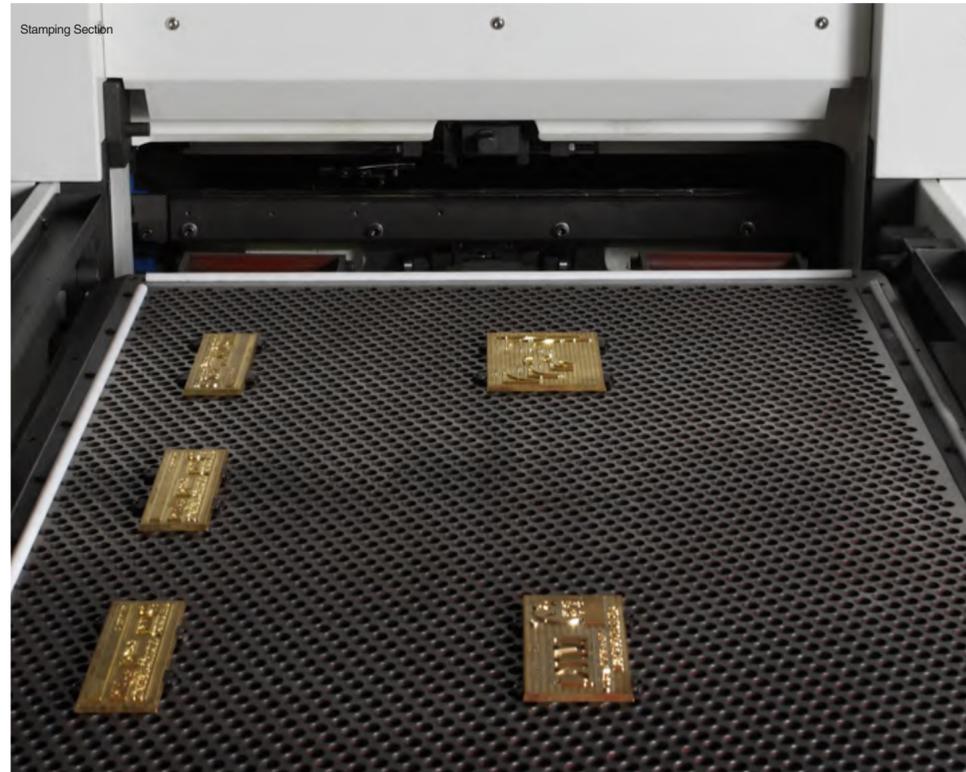
The lower plate is made with high-quality imported materials. The 3mm+1mm steel plates improve foiling and embossing make-ready times. The 1mm plate concept is ideal for repeat jobs and increase profitability. The lower plate is equipped with a fine adjustment and central registration system which reduces plate changing and positioning dramatically.

**Pneumatic Plate Locking Device**

The MK pneumatic locking system (patent ZL200520026596.9) for the plate frameworks locks the plate framework automatically without the need for tools. This device gives a time saving benefit for the operator.

**Stamping Section**

The foil unwind system is equipped with 3 advance shafts(standard and configuration).This ensures smooth, accurate foil feeding with excellent tension control properties, and the foil unwinds with an error tolerance of 1mm, which results in foil savings. The used foil removal brushes are controlled with high quality imported servo motors, which is capable of maintaining a stable foil tension at high speed. The honeycomb chase is made of special thermal resistant materials. The honeycomb chase is designed to accept standard toggle hooks which are used for accurately positioning the stamping dies. Two Teflon rollers on the honeycomb chase are designed to separate the foil from the chase; these devices are designed to eliminate damage of foil when the chase is at high temperature. The 20 independent heating zones are controlled by an accurate PID heating system developed by Masterwork Machinery. The PID system provides variable and even temperature across the embossing plate.



**Our Strive for Excellence Can Be Seen in This Latest Model. Customer Feedback Helped to Improve its Versatility**

**MK1060ST**  
Automatic Platen Foil Stamping and Die Cutting Machine

- Platen
- Sheet-Fed
- Die Cutting
- Foil Stamping

**Foil Advance System**

The foil advance system consisting of 3 advance shafts (standard configuration) ensures the foil unwinds with an error tolerance of 1mm, which results in foil savings. The foil unwind unit is capable of maintaining a stable foil tension at high speed.

**Computerized Stamping Control Program**

The VMP2005 stamping control program, working on Windows XP, was developed by Masterwork Machinery (intellectual property right: 2008SR05319). The man-machine interface has a user-friendly operation. All electric controls are designed in the program. The program can handle complex foil advance calculations. With the precise calculation, the program efficiently improves foil usage. The hologram foil stamping accuracy is  $\pm 0.2\text{mm}$ . The system accurately controls the foil advance devices, the system can feed foil from a 740mm maximum to a 1mm minimum even running at high speed.



| Technical Data               |  | MK1060ST |  |
|------------------------------|--|----------|--|
| Max sheet size               | 1060mm x 760mm   |          |  |
| Min sheet size               | 400mm x 350mm  |          |  |
| Max die cutting size         | 1060mmx745mm   |          |  |
| Max stamping size            | 1060mmx740mm   |          |  |
| Gripper margin               | 9-17mm   |          |  |
| Inner chase size             | 1120mmx770mm   |          |  |
| Convertible stock            | 90-2000g/m <sup>2</sup> paper;<br>0.1-2mm paper;<br>≤4mm corrugated        |          |  |
| Max working force            | 260 tons   |          |  |
| Max working speed            | 7000s/h (stamping)<br>5500s/h (hologram stamping)<br>7500s/h (die cutting) |          |  |
| Max feeder pile height       | 1250mm (wooden pallet included)  |          |  |
| Max delivery pile height     | 1050mm (wooden pallet included)  |          |  |
| Max diameter of foil roll in | φ 250mm (Longitudinal) / φ 200mm (Transversal)                             |          |  |
| Die cutting accuracy         | ≤ ± 0.075mm (Die cutting and stamping)<br>≤ ± 0.20mm (Hologram stamping)   |          |  |
| Full load wattage            | 54.9KW   |          |  |
| Heating system               | 20 heating zones, 40-180°C Adjustable                                      |          |  |
| Width of the foil            | 20-1060mm  |          |  |
| Overall dimensions           | 6100mmx4560mmx2265mm (LxWxH)   |          |  |
| Air supply                   | 0.6-0.7MPa, ≥0.8m <sup>3</sup> /min  |          |  |
| Net weight                   | About 20 tons  |          |  |

| 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  | ●                        |                          |
| Imported 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-stock 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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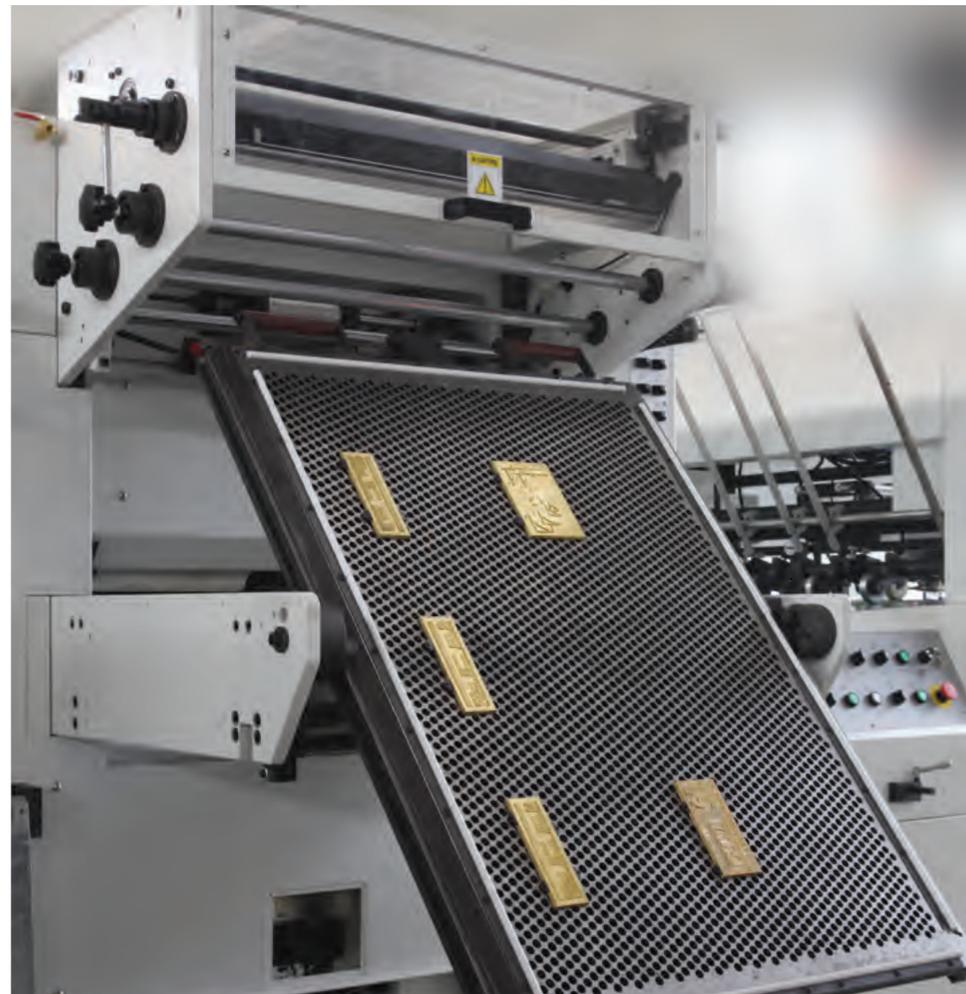


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Experience the Future  
MK1060ST  
Automatic Platen Foil Stamping and Die Cutting Machine

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



Experience the Future

MK1060ST Automatic Platen Foil Stamping and Die Cutting Machine can handle large format die cutting and stamping with longitudinal and transversal foil pull systems. The advanced vacuum feed table (optional) can substantially enhance sheet feeding stability. A bank of electronic controls makes the feeder unit a more user friendly system and helps reduce the operator workload.

- Shorter time for replacing plates and adjustment
- User friendly operation
- More versatility
- More direct management
- Less consumable materials
- More stable operation
- More safety features
- Quick payback on investment