

The technology and other Changes will not be further Informed.
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MK 1050



Break from tradition to automation
without breaking the bank

**ECOPRESS Automatic Platen
Die Cutting Machine**

ECOPRESS MK1050

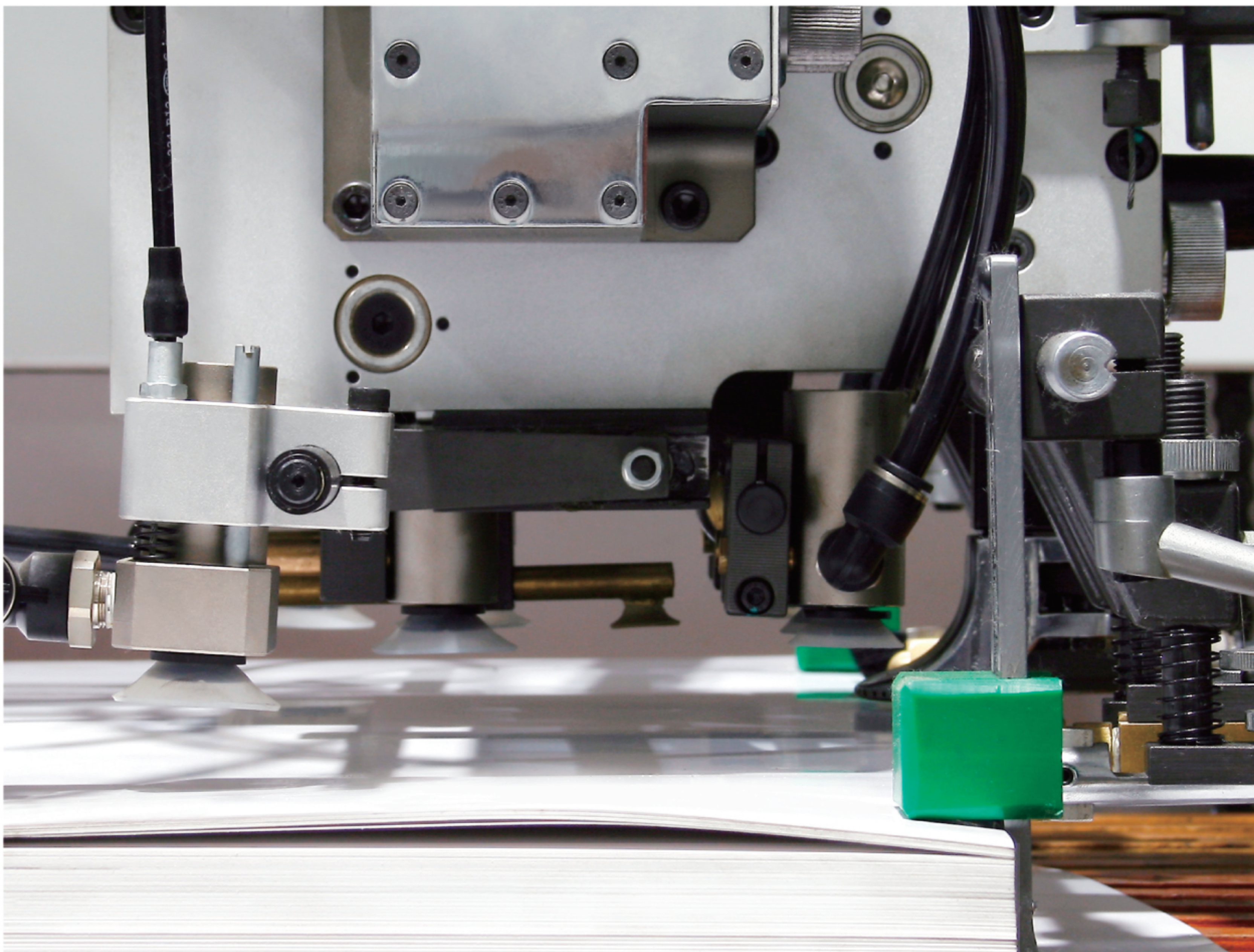
AUTOMATIC PLATEN DIE CUTTING MACHINE

ECOPRESS MK1050 Automatic Platen Die Cutting Machine is an economical model based on our study and analysis for print companies. It provides you with a competitive capability at an entry level price.

MK recognized the need for a low cost machine and so the ECOPRESS MK1050 was developed, but there was a need to keep our consistent pursuance of quality. All of the improvement and innovation of Masterwork Machinery are based on the needs of its customers. ECOPRESS MK1050 transforms our customers business from manual and semi-automatic to fully-automatic post print finishing businesses.



MASTERWORK



**HAS ALWAYS BEEN
AHEAD OF ITS TIME**

ECOPRESS MK1050 AUTOMATIC PLATEN DIE CUTTING MACHINE PROVIDES YOU WITH:

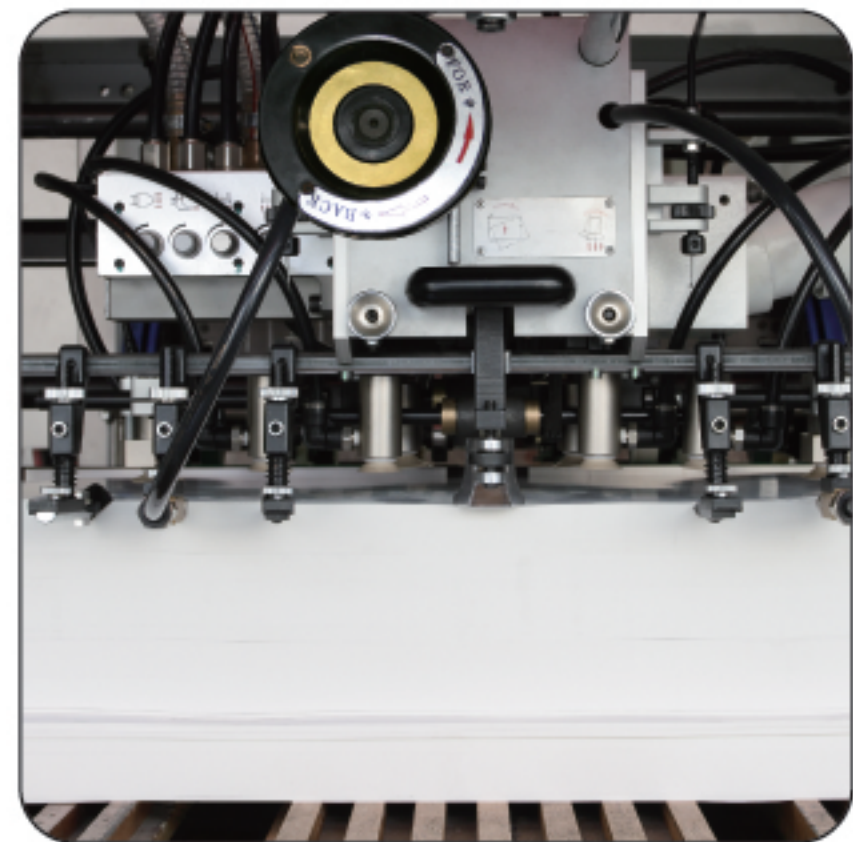
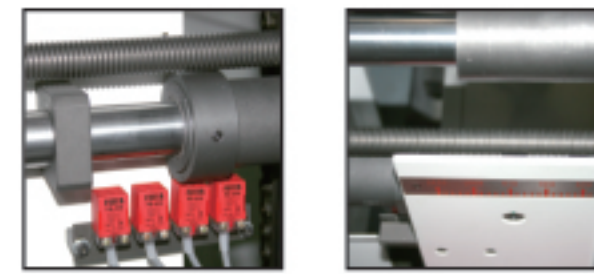
- **A higher performance to price ratio:**
The design of the ECOPRESS MK1050 is based on a similar construction basis to the high end die-cutters from MK.
- **Shorter time for adjustment:**
The Plate Quick Lock Device (optional) substantially shortens the make ready time.
- **User friendly operation:**
The electric and pneumatic functions make operation much easier and reduce the operators need for tools.
- **More functions:**
The feeder has a small sheet feeding system (optional) which is ideal for the small print finishing businesses and its overall versatility allows the operator to handle a large variation of product.
- **Excellent services:**
The perfect after sale service system provides you with fast and reliable support which will promote great confidence in our products.

ECOPRESS MK1050 AUTOMATIC PLATEN DIE CUTTING MACHINE



SHEET FEED SECTION

3 measures prevent feeder from crash. Left-right manual fine adjustment device is applied for paper pile. The powerful feeder is equipped with 4 lifting suction cups and 5 carrier suction cups; the directions of suction cups are adjustable according to the paper deformation. Blowers on both sides of the feed system separate the papers for smooth feeding process.



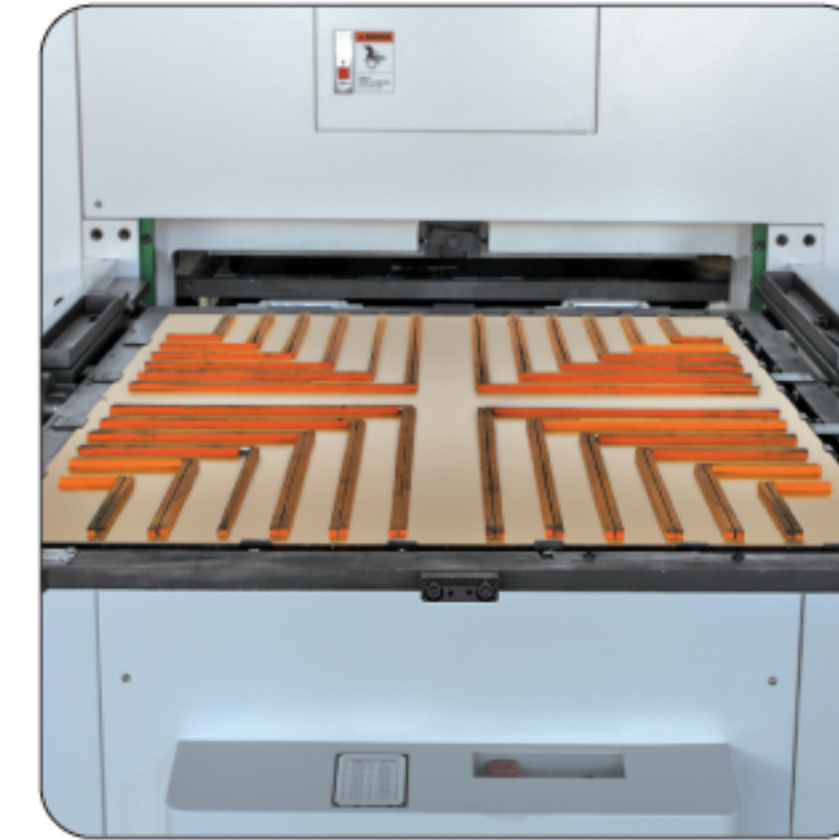
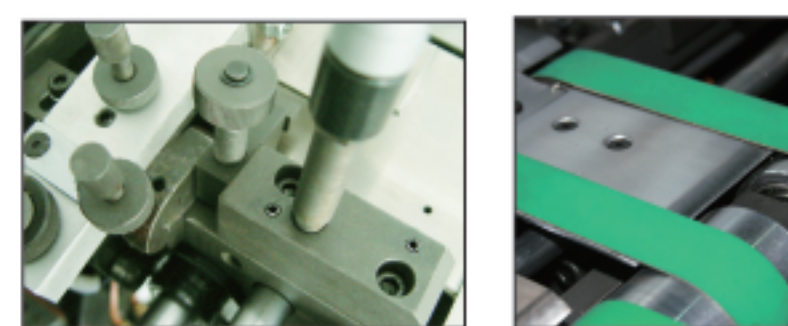
FEEDER

The high-speed feeder is made of lightweight aluminum alloy with anode treatment on the surface. The forward, backward, high and low positions can be adjusted according to the stock: for smooth feeding of thin paper, large gram cardboard, corrugated paper, etc. The feeder is equipped with a quick adjustment device making the feeder more user-friendly. There are 3 detectors to prevent the feeder from damage if the feeder pile accidentally ascends beyond the safety point.



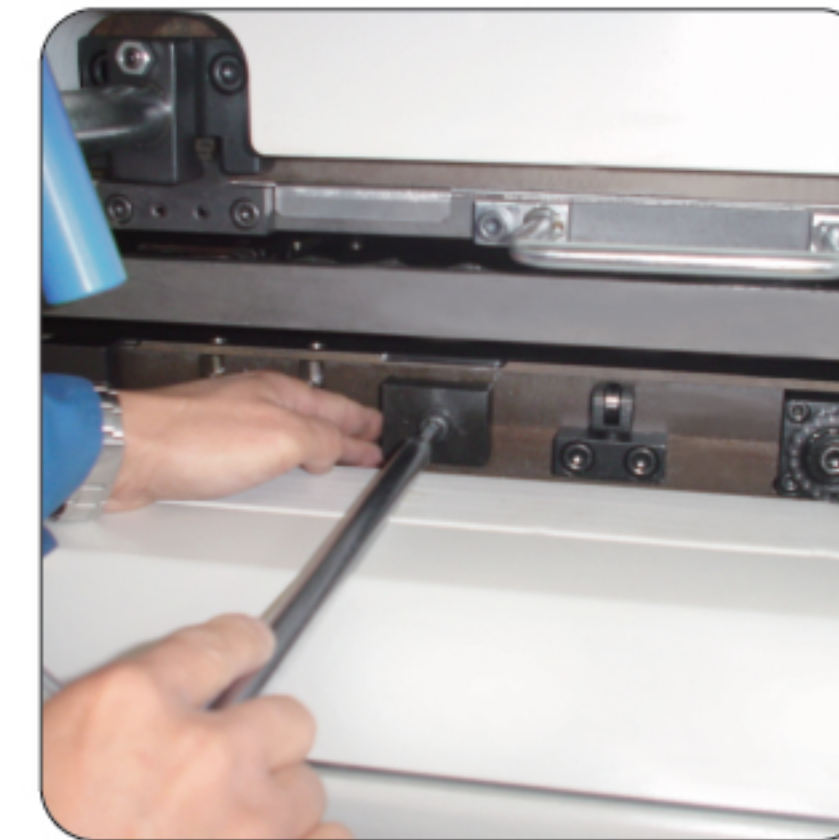
FEED TABLE

A transmission chain 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.



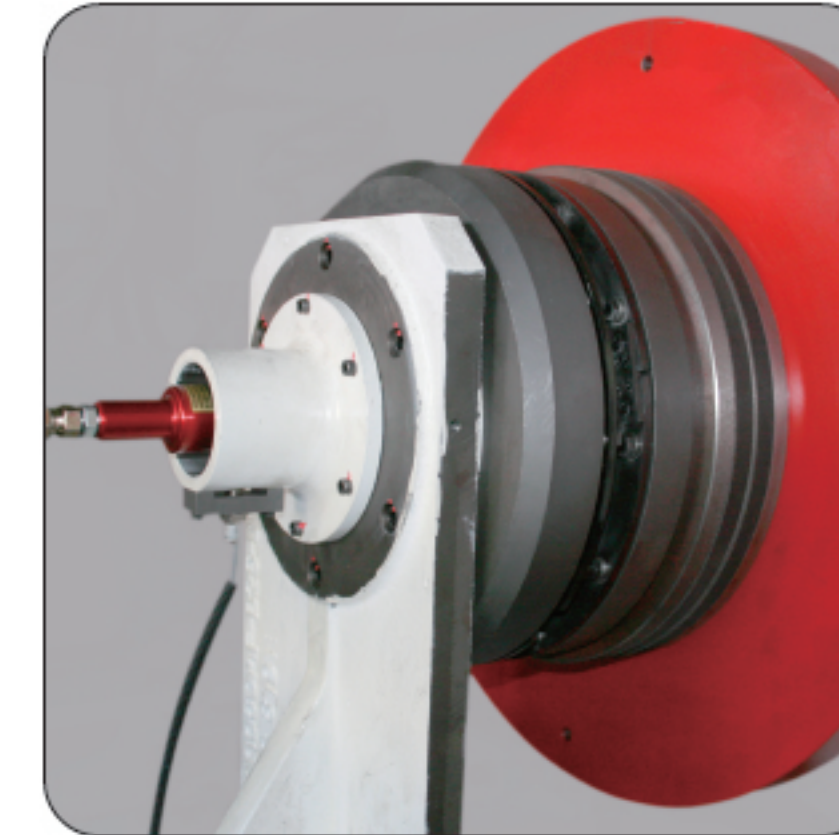
PLATEN PRESS SECTION

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.



MOVABLE PLATEN

The movable platen is made of special casting structure, with reliable strength to bear the operating pressure. The precision machining procedures ensure the platen's flatness and balance, this can shorten pressure adjustment time. The plate position detector ensures correct position and the pneumatic locking device eliminates the need for tools.



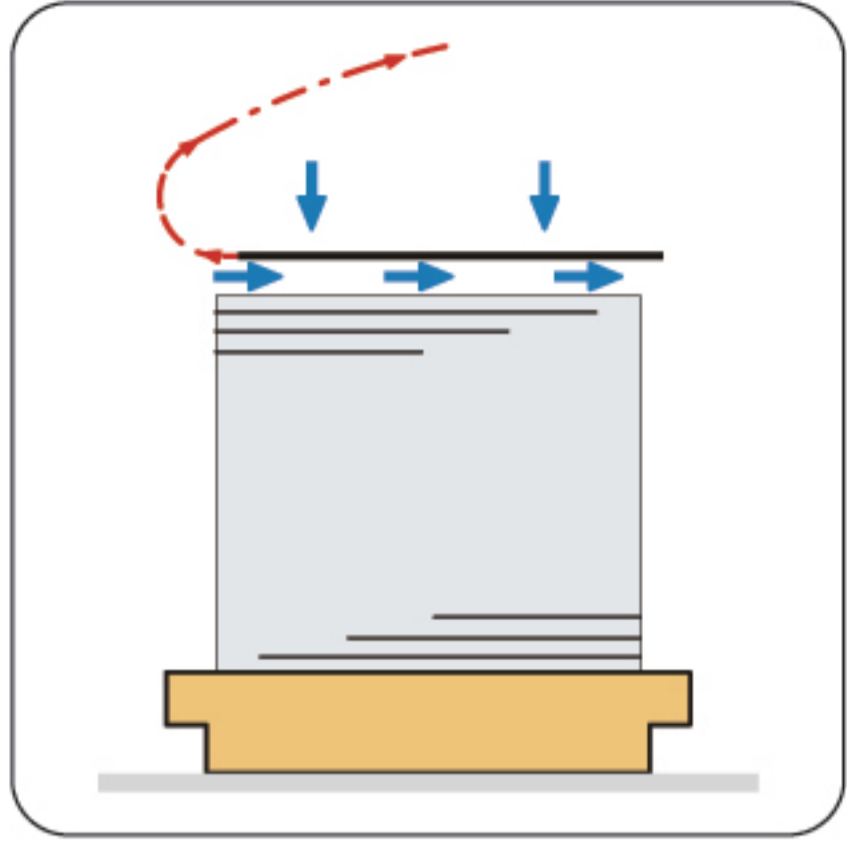
PNEUMATIC CLUTCH

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



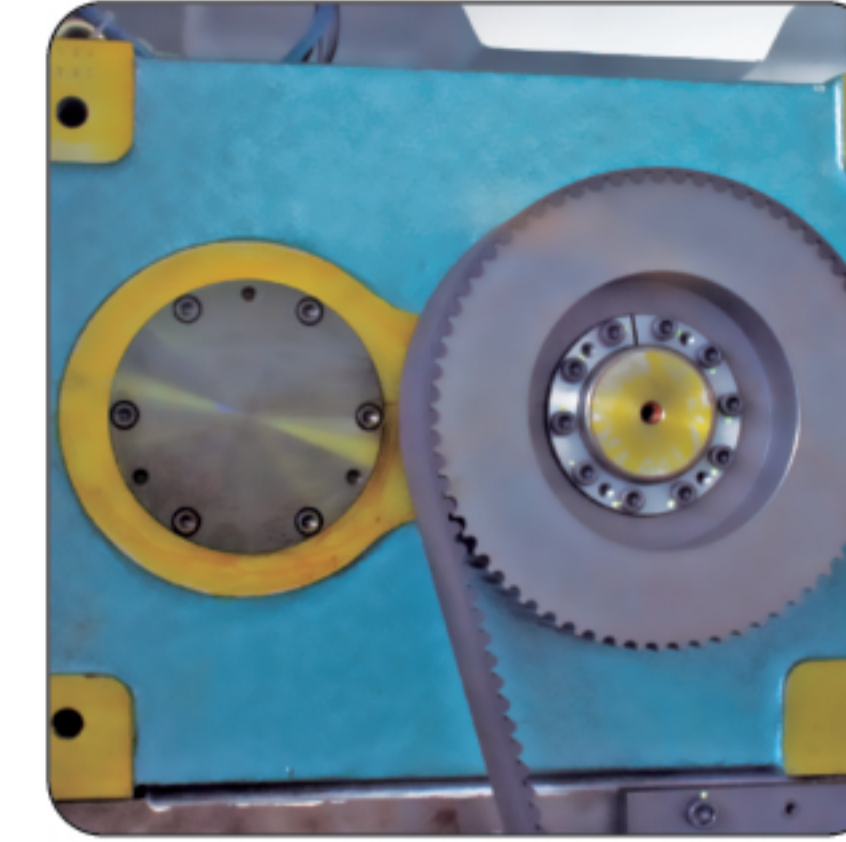
SHEET DELIVERY SECTION

An adjustable air blow-down system and air curtain helps delivery of the sheets from the gripper bars resulting in accurate stacks of finished product. For thin paper, a braking brush slows down sheets after they are released from the gripper bars. There is also a pneumatic sampling device in the delivery which allows the operator to check finished product without stopping the machine. The optional non-stop delivery device (patent ZL200520130714.0) allows the finished stack to be removed from the machine while the machine is still in operation.



AIR CURTAIN IN DELIVERY

The dual auxiliary blowing device creates an air cushion on the paper pile for smooth paper delivery. The air volume of both sides can be controlled independently. The upper blowing tube can be adjusted outside the machine as per paper sizes, for operator convenience.



HIGH SPEED INDEXING DEVICE

The intermittent mechanism has large transfer torque, high positioning accuracy and excellent durability, making high-speed operation possible and long operating life of the machine. This intermittent mechanism has an inbuilt torque limiter that stops the gripper bars immediately and disengage the electromagnetic clutch on the main motor when an overload occurs.



SAMPLING FUNCTION

The pneumatic sampling unit has been designed as a user friendly system for checking finished product without the need to stop the machine.



LUBRICATING SYSTEM

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



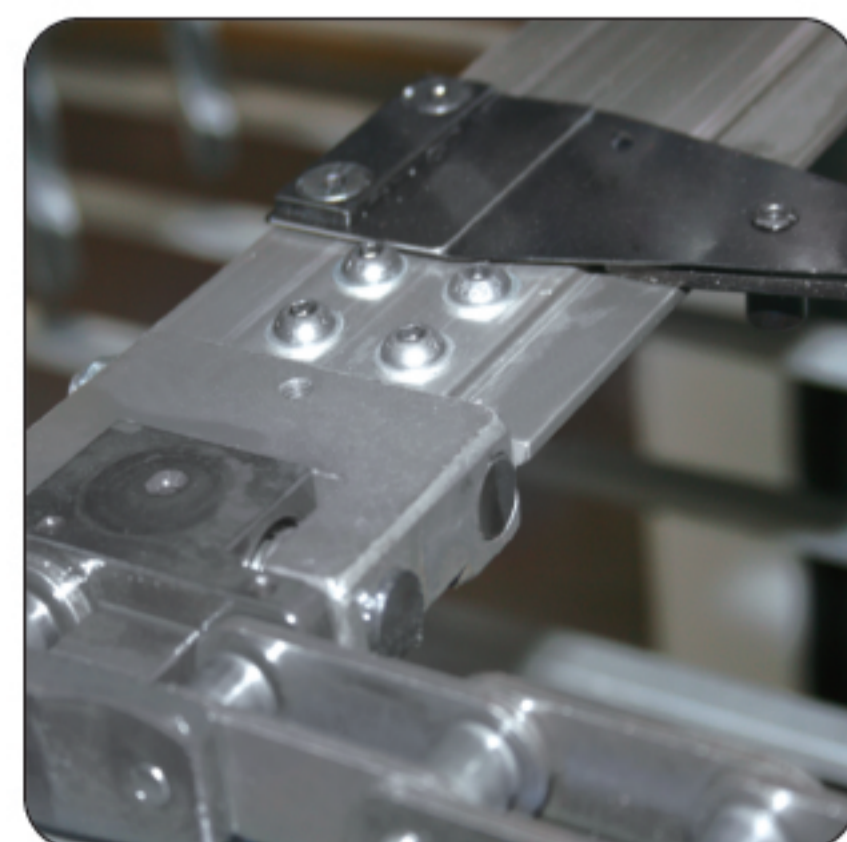
COMPONENT QUALITY

All key components are made by Masterwork Machinery own machining center, with strict control at each step. The PDM software is applied to ensure the design requirement and machining quality of key components. MK machining center owns most CNC equipments with high quality among all competitors in China. 20 CNC machines now and equip with grating scale and close-loop control system to provide accuracy during manufacturing.



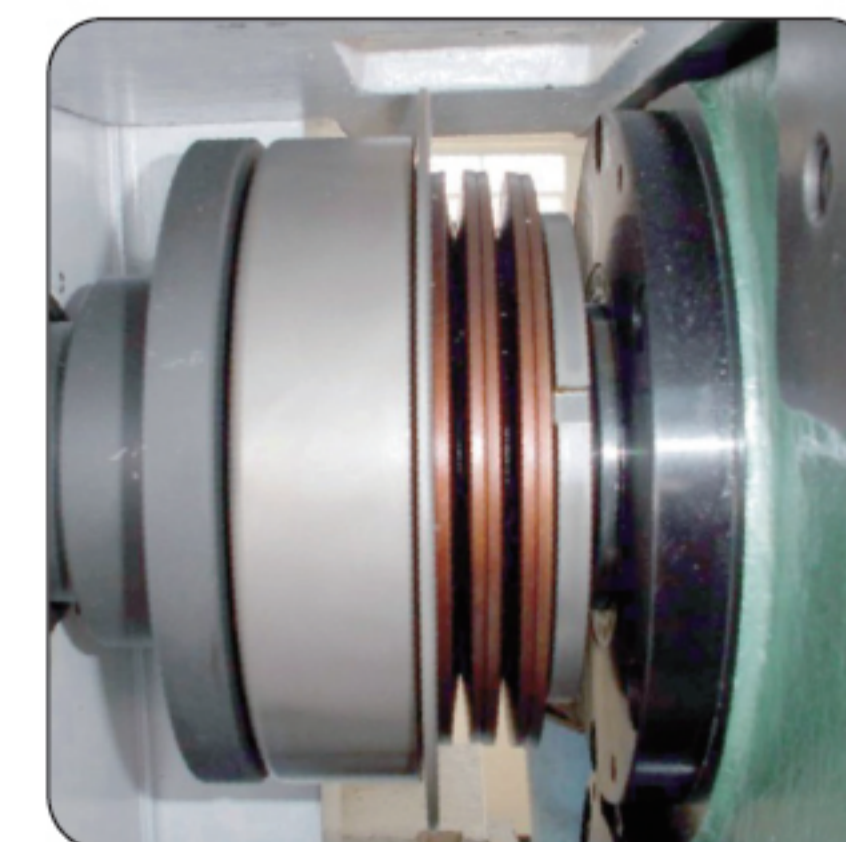
CONTROL AND SAFETY SYSTEM

With the Japanese Mitsubishi PLC, the speed of calculation and operation is much faster and more reliable, implementing all actions simply and flexibly. The modular design makes maintenance more simple and convenient. There are around hundred detectors on the machine for more reliable safety.



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 (patent No. ZL01267630.6) 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.



TORQUE RESTRAINER

It is of high sensitivity, for safety of both the machine and operators. It is made professionally for longer service life.



ELECTRONIC MANAGEMENT SYSTEM

The Fuji vector transducer uses the most up to date mechanical features for constant speed and torque control, with strong pressure alarms, reliable performance and low breakdown rate, which satisfies customer demands. The top quality European imported parts are used to provide safe operation of the system.

OPTIONAL ACCESSORY

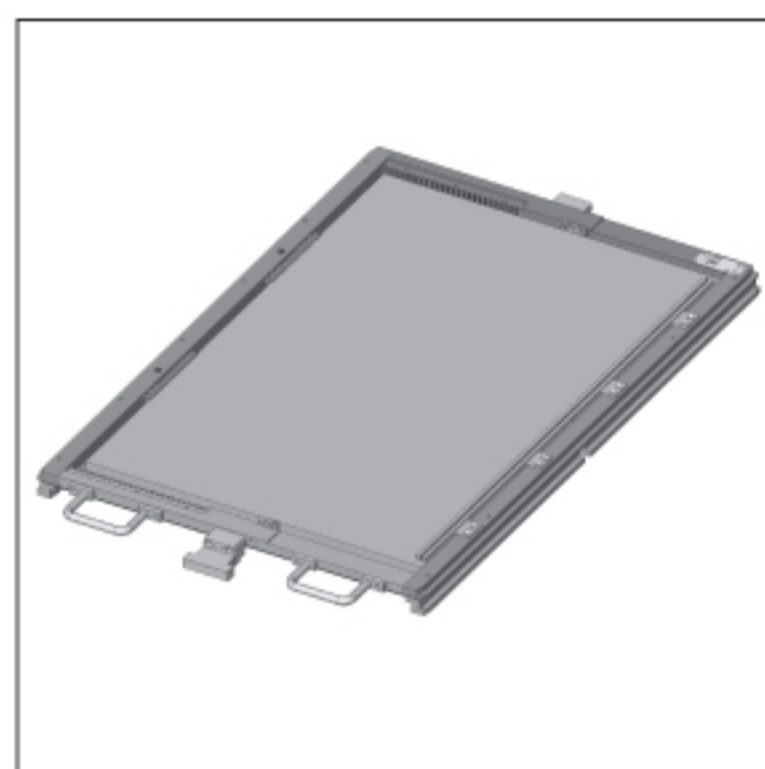
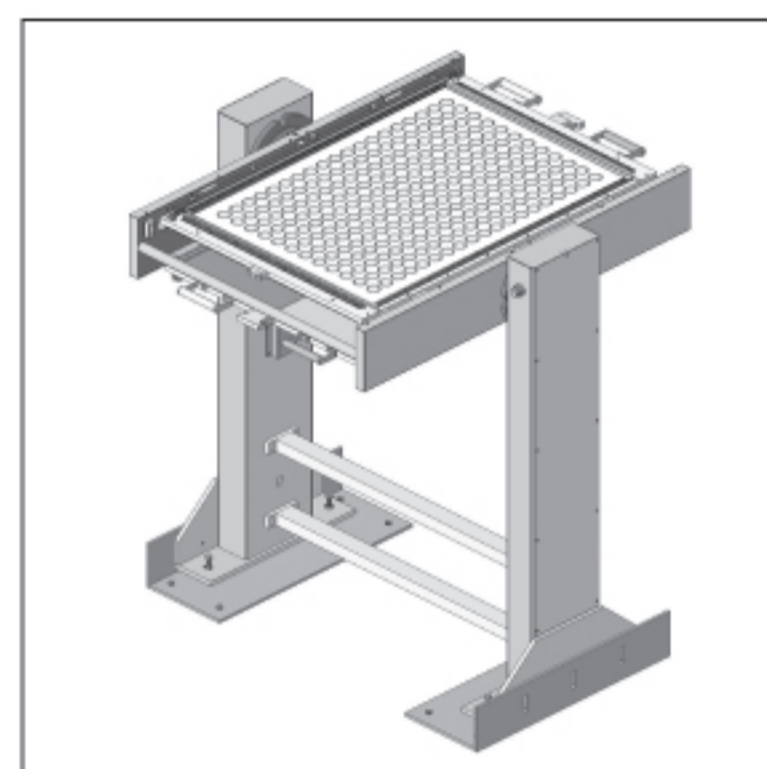
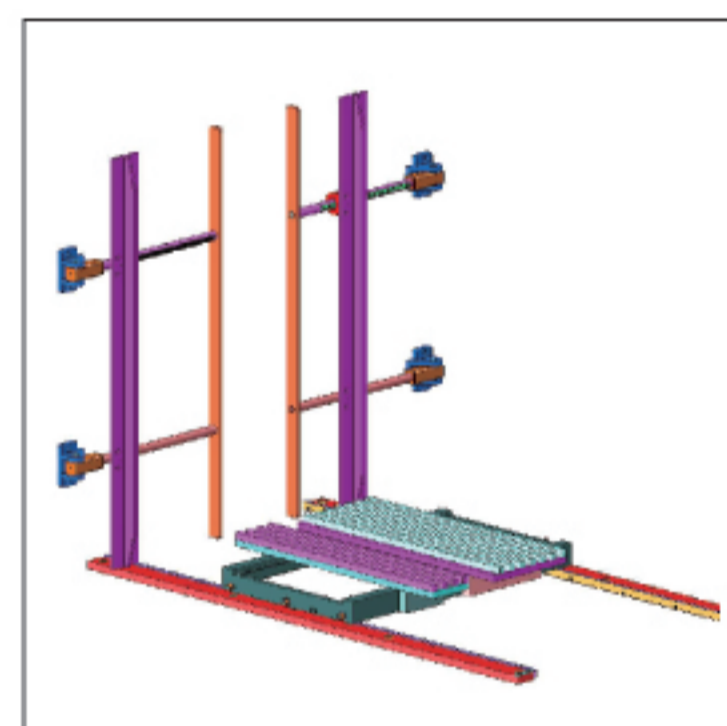


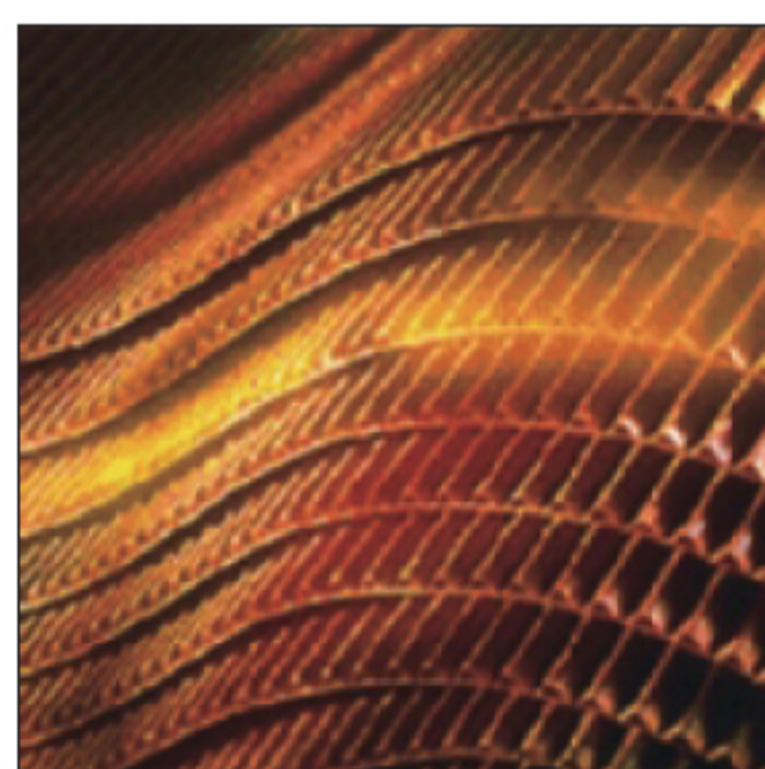
Plate Quick Lock Device



The Chase Preparation Stand



Pre Loader Unit



Corrugated Paper Feed System



Overload Protector

TECHNICAL DATA

Max sheet size	1050mmX750mm	41.34x29.53 (in)
Min sheet size	450mmX360mm	17.72x14.17 (in)
Max die cutting size	1040mmX740mm	40.94x29.13 (in)
Gripper margin	9~17mm	0.35~0.67 (in)
Inner chase size	1120mmX786mm	44.09x30.94 (in)
Stock range	90~2000g/m paper	
	0.1~2mm paper	0.0039~0.078 (in)
	≤4mm corrugated	≤ 0.160 (in)
Die cutting accuracy	≤± 0.075mm	
Max die cutting force	250 tons	
Max die cutting speed	6500s/h Die cutting	
Max feeder pile height	1150mm (wooden pallet included)	45.28 (in)
Max delivery pile height	1000mm (wooden pallet included)	39.37 (in)
Main motor wattage	11KW	
Overall dimension	4700mm(L)x4550mm(w:platform included)x2050mm(H)	16x15x7 (ft)
Net weight approx	About 15 tons	
Full load wattage	16.9KW	
Air requirement	0.6~0.7MPa, ≥0.37m ³ /min	
Power supply	380V ± 10%/50Hz/3-phase with grounding	