

**Product** - Automatic Die Cutting Machine with Stripping (Bottom Feeder)  
**Model** - MHK-1300EFC  
**Warranty** - 2 Years



Please Note that the picture is for **ILLUSTRATION ONLY** and may vary from the equipment offered.

## Processed Materials:



Corrugated Board



Packaging: boxes

## Features

- 1) CE Approved
- 2) **Center Line System**
- 3) **Non-Stop Pre-Loader**
- 4) **Non-Stop Delivery System**
- 5) Human Machine Interface
- 6) **Overload Protection Torque Limit Controller**
- 7) **Four Side Stripping System**
- 8) **Belt Driven Machine Drive**
- 9) Wide Stock Range for Corrugated Board (up to 8.5 mm)
- 10) Photoelectrical Device for Safe Operation
- 11) **Automatic Central Lubrication System**
- 12) **Automatic Oil Cooling Device**
- 13) High Speed and Precision Feeder equipped
- 14) ISO:9001 and CE Approved Manufacturing Process
- 15) European, Taiwan and Japanese Standard Spare Parts

## Machine Configuration:

S. No.	Features	Include	Qty.
1	Operation Platform	Y	1 No.
2	Die Chase (Installed in Machine)	Y	1 Nos.
3	5 + 2 mm Sandwich Plate (2mm Cutting Plate Made in Germany)	Y	1 No.
4	Spare Gripper Bar	Y	1 No.
5	Gripper Bar Safety Lock	Y	1 No.
6	Set of Tools	Y	1 No.
7	Optional Extra Die Chase	N	1 No.
8	Optional Extra 5mm Hardened Die Cutting Plate from Germany	N	1 No.
9	Optional Extra 2mm Hardened Die Cutting Plate from Germany	N	1 No.
10	Optional Extra 2mm Hardened Die Cutting Plate from China	N	1 No.
11	Optional Extra Gripper Bar Assembly with Connectors	N	1 No.
12	Optional Stripping Waste Basket	N	1 No.
13	Optional Speed Display	N	1 No.
14	Optional Tape Inserter (Including 8 Tapes)	N	1 No.
15	Optional PLC Remote Controller (For Software Upgrade and Maintenance)	N	1 No.
16	Optional Die Chase Loader (Without Die Chase) - For Pre-Make Ready of Next Job	N	1 No.

## **Technical Specifications:**

Max. Sheet Size	1300 X 940 mm
Min. Sheet Size	550 X 450 mm
Max. Cutting Size (7mm Plate)	1280 X 920 mm
Max. Cutting Size (2mm Plate)	1260 X 900 mm
Max. Cutting Pressure	400 Tons
Stock Range	B, C, A Flute and double wall or corrugated board up to 8.5mm
Max. Speed	6000 sheets/hour
Pressure Adjusting Range	+/- 1.5 mm
Minimum Front Waste	12 mm
Main Motor Power	25 Kw
Machine Dimensions Including Work Platform	L X W X H: 10630 X 4820 X 2400mm
Net Weight	23 Tons
Container type	One 40' HQ container and one 40' Flat Rack

## **Hydraulic Lifter:**

Ascending or descending the lifter by foot pedal when the products is putting on it. Easy operation.



## **Bottom Feeder:**

1. Consistent and precise feeding of wide range corrugated board.
2. Becker vacuum pump.
3. Non-Stop bottom feeder.
4. Pneumatic side air throw device to clean the sheets at feeder.
5. No scratch on printed suffer when sheets are fed.



## **Feeding Table:**

1. Left and right-side push lays to ensure accurate alignment and power registration.
2. Adjustable rubber wheels achieve precise paper feeding.
3. Secondary chain guide: it can prevent the gripper bar from hitting the guide plate when the machine runs at high speed.



## Die-Cutting Section:

1. Pressure-containing member adopts high-strength nodular cast iron-QT600 and special casting process thus, it has high strength and never deforms.
2. The Ni-Cr-Mo metal steel crank shaft through the special craft processing, imported from Germany.
3. Super wear-resistant worm and gear imported from Taiwan.
4. High torque pneumatic clutch/break for positive clutch on and reliable breaking, and special air inlet system to control the air volume for smooth machine start and stop.
5. Air cushion underneath the cutting plate for easy cutting plate in & out.
6. Belt driven main drive.
7. Overloading protection torque limit clutch.
8. Sheet arrival and departure check photo sensor.
9. Automatic recycling lubrication system with oil pressure gauge and oil pressure switch.
10. Automatic main gripper drive chain lubrication.
11. Knife template turnover device that is convenient and fast Strong Auto forced lubrication system.
12. High-precision 240-degree intermittent mechanism from Taiwan.
13. Pneumatic locking device, safe and fast.
14. Double cam driven gripper opener and front lay swing frame without position restore spring for smooth and accurate sheet register and take off.
15. High-speed rotary joint from Italy.
16. Adopt advanced Germany Siemens motor.
17. Die cutting plate frame, adopting central positioning system.
18. 10.4-inch color screen, displaying the working state of machine all the time.



## **Stripping Section:**

1. Double stripping function.
2. Male/female stripping plate for different stripping jobs.
3. Centre line system for quick stripping die set up and job change.
4. Front waste separator to achieve full stripping and front waste move to the machine drive side by conveyor belt.
5. Motorized upper frame suspending hoister.



## **Delivery Section:**

1. Escalator delivery fork with non-stop air cylinder for neat and positive delivery and conveyor belt delivery table to protect the sheets from scratches.
2. Bundle delivery with pre-set counter requesting only one sheet interval in non-stop operation at 4500S/H production speed.
3. Full stripping with/without lead edge waste stripping convertible by one button, no tool change, more operator friendly and safe operation.
4. Spring loaded adjustable chain tension back buffering wheel to maintain the chain tension constant and smooth gripper bar movement.
5. Photoelectric device for safe operation and entrance.



## **Electrical Control Section:**

1. Adopts electrical components of world-famous brands for better performance and in time and local after-sale-service and maintenance.
2. Siemens's latest PLC technology to ensure safe and trouble-free running.



## Machine Main Parts:

NO.	MAIN PARTS	BRAND	COUNTRY(REGION)
1	Main Motor	SIEMENS	Germany
2	Man-Machine Interface	SIEMENS	Germany
3	Chip	SIEMENS	Germany
4	Control Centre	SIEMENS	Germany
5	Program Controller	SIEMENS	Germany
6	Inverter	SIEMENS	Germany
7	Die Pressing Base Plate	5 + 2mm HIGH ALLOY PLATE	Germany
8	Intermittent Segmentation	HANDEX	Taiwan
9	Rotary Joint	OMPI	Italy
10	Electromagnetic Clutch	OMPI	Italy
11	Electromagnetic Gear Clutch	OMPI	Italy
12	Crankshaft Material	Ni-Cr-Mo METAL STEEL	Germany
13	Main Drive Chain	IWIS	Germany
14	Secondary Chain	TSUBAKIMOTO	Japan
15	Grip Bar, Gripper	KUI	Japan
16	Indicator Light	MOELLER/EATON	Germany
17	Circuit Breaker	MOELLER/EATON	Germany
18	Safety Relay	MOELLER/EATON	Germany
19	Security Module	MOELLER/EATON	Germany
20	Button	MOELLER/EATON	Germany
21	Motor Protector	MOELLER/EATON	Germany
22	Magnetic Switch	MOELLER/EATON	Germany
23	AC Contactor	MOELLER/EATON	Germany
24	Button	MOELLER/EATON	Germany
25	Relay	MOELLER/EATON	Germany
26	Photoelectric Switch	OMRON	Japan
27	Relay Seat	OMRON	Japan
28	Proximity Switch	OMRON	Japan
29	Encoder	OMRON	Japan



<b>30</b>	Sensor	OMRON	Japan
<b>31</b>	Bearing	NSK	Japan
<b>32</b>	Cable	TKD	Germany
<b>33</b>	Air Cylinder	AIRTAC	Taiwan
<b>34</b>	Air Volume Regulator	SMC	Japan
<b>35</b>	Main Solenoid Valve	SMC	Japan
<b>36</b>	Linear Guide	ABBA	Taiwan
<b>37</b>	Worm and Gear	WANCENG	Taiwan
<b>38</b>	Wallboard and Machine Body Structure	QT600-7 nodular cast iron	China
<b>39</b>	Vacuum Pump	BECKER	Germany

## Current Product Range Covers

### BHT Model (Most Advance Series)

1. Automatic Die Cutting Machine with Four Side Stripping, Heating System and 600 Tons Cutting Pressure  
BHT-1060/1060A/1060AR/1060CE/1060ACE/1060ACER/1060SCE/  
1060ASCER

### MHK Model (Efficient Series)

1. Automatic Die Cutting Machine with Four Side Stripping  
MHK-820/820CE/MHK-1050/1050CE
2. Automatic Die Cutting & Hot Stamping Machine  
MHK-820T/1050AT
3. Automatic Die Cutting & Hot Stamping Machine with Four Side Stripping  
MHK-/820TC/1050ATC
4. Automatic Lead Edge Feeding Die Cutting Machine with Four Side Stripping  
MHK-1300FC/1500FC/1650FC/1900FC
5. Automatic Bottom Feeding Die Cutting Machine with Four Side Stripping  
MHK-1300EFC/1500EFC/1650EFC/1900EFC
6. Automatic-Manual Die Cutting Machine with Four Side Stripping (Top Feeding)  
MHK-1300EC/1500EC/1650EC/1900EC
7. Duo Press Automatic Die Cutting Machine with Double Station  
MHK-2S1050RMC/2S1050TMC/2S1050TRC/2S1050TTC
8. Trio Press Automatic Die Cutting Machine with Triple Station  
MHK-3S1050TRMC/3S1050TTMC/3S1050TTTC

## MHC Model (Economical Series)

1. Automatic Die Cutting Machine (Top Feeder)  
MHC-820/1060
2. Automatic Die Cutting Machine with Three Side Stripping (Top Feeder)  
MHC-820CE/1060CE
3. Automatic Die Cutting & Hot Stamping Machine (Top Feeder)  
MHC-820T/1060AT
4. Automatic Die Cutting & Hot Stamping Machine with Three Side Stripping  
(Top Feeder)  
MHC-820TC/1060ATC
5. Automatic Lead Edge Feeding Die Cutting Machine  
MHC-1300F/1500F/1650F/1900F
6. Automatic Lead Edge Feeding Die Cutting Machine with Three Side  
Stripping  
MHC-1300FC/1500FC/1650FC/1900FC
7. Automatic Bottom Feeder Die Cutting Machine  
MHC-1300EF/1500EF/1650EF/1900EF
8. Automatic Bottom Feeder Die Cutting Machine with Three Side Stripping  
MHC-1300EFC/1500EFC/1650EFC/1900EFC
9. Automatic Die Cutting Machine (Tiptronic Feeder)  
MHC-1100E/1300E/1500E/1650E/1900E
10. Automatic Die Cutting Machine with Three Side Stripping (Tiptronic  
Feeder)  
MHC-1100EC/1300EC/1500EC/1650EC/1900EC
11. Semi-Automatic Die Cutting Machine  
MHC-1100B/1300B/1500B/1650B/1900B
12. Semi-Automatic Die Cutting Machine with Three Side Stripping  
MHC-1100BC/1300BC/1500BC/1650BC/1900BC

13. Semi-Automatic Die Cutting Machine with Feeding Table  
MHC-1100BL/1300BL/1500BL/1650BL/1900BL

14. Semi-Automatic Die Cutting Machine with Feeding Table & Three Side Stripping  
MHC-1100BLC/1300BLC/1500BLC/1650BLC/1900BLC

## **Company Introduction:**

Zhejiang Dayuan Machinery Co., Ltd. (Origin RuianRuiyang Printing Machinery Co., Ltd.) is headquartered in No.105, HaizeRoad,Binhai New Area, Pingyang county, Wenzhou city, covering an area of over 40000 square meters and construction area of over 80000 square meters.

Founded in 1999, Dayuan now owns modern production facilities and over 400 employees with annual production capacity of 600 sets.

At Dayuan, we are proud that every machine has been under manufacturing in strict accordance with ISO 9001 Quality Management System and CE Standards. There are over 3000 machines running in 30 countries, such as UK, Spain, Egypt, Saudi Arabia, Poland, Czech, Russia, South Africa, Brazil, Argentina and etc. Since started the partnership with world leading packaging companies of European, Asian, Middle East, North & South America companies, Dayuan will continually satisfy our customers by offering high quality machines and first-class service.

## **Factory:**



## Workshop:

