

ROYO MACHINERY

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BHT MHK MHC Series Hot Foil Stamping & Die Cutting Machine

BHT 3S1060TTMSCE

TRIOPRESS Automatic High Speed
Double Hot Stamping & Die Cutting Machine
with Stripping & Blanking

ROYO MACHINERY



The World's First Launch
With A Number Of Invention Patents

The machine can select and combine the functions of
each unit according to the process requirements

PRESS 1

- 1. Hot Stamping
OR
- 2. Deep Embossing

+

PRESS 2

- 1. Hot Stamping
OR
- 2. Deep Embossing

+

PRESS 3

- 1. Hot Stamping
OR
- 2. Deep Embossing
OR
- 3. Die Cutting

+

STRIPPING (STANDARD)

- 1. Stripping

+

BLANKING (STANDARD)

- 1. Blanking



FEEDER (4 SUCTION AND 6 FEED)

The paper feeding unit, designed based on an advanced technology platform, ensures precise, stable, and reliable performance, enabling smooth transportation of various paper types—from 80g thin paper to corrugated cardboard up to 4mm thick.



ULTRASONIC DOUBLE SHEET DETECTOR

Ultrasonic double sheet detection system with effortless calibration, precise operation, and protection against surface scratches.



CARBON FIBER GRIPPER BAR

High-tech carbon fiber gripper bar, driven by a large-angle intermittent mechanism, ensures smooth paper feeding with multi-imposition layouts and minimal connection points, delivering high productivity with minimal plate scattering. Safety gripper chain lock automatically secures the gripper drive chain during production stops, malfunctions, or safety device activation, ensuring operator safety.



SERVO CONTROLLED GRIPPER BAR POSITIONING DEVICE

Servo control system is adopted for the rear positioning of gripper bar, and the accuracy of each gripper bar can be adjusted by PLC touch screen button to ensure the accuracy of gripper bar, with permanent accuracy of $\pm 0.075\text{mm}$. (Invention Patent)



ADVANCED PLATE QUICK LOCKING DEVICE

Advanced quick tooling set up system ensures fast plate change over and hence high productivity at stripping stations.



FULL SHEET DELIVERY

Full sheet delivery system enables flexible production scheduling to accommodate diverse order structures.



MICRO-ADJUSTABLE HONEYCOMB PLATE

20-Zone Independent Temperature Control System ensures precise heating of the hot stamping plate, delivering balanced and stable temperature distribution across the entire heating system. Maximum stamping pressure reaches 600 tons.



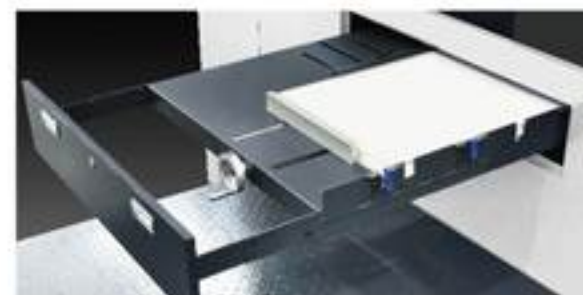
MICRO-ADJUSTABLE DIE CUTTING PLATE

5mm hardened cutting plate or 4+1mm sandwich plate on top of 15mm precision synthetic supporting plate with $\pm 0.9\text{mm}$ micro adjustment device for quick set up and easy change over.



MICRO-ADJUSTABLE FRAME WITH QUICK LOCKING DEVICE

Adopt the center line quick positioning installation device, and the stripping board can be quickly installed.



AUTO SEPARATION SHEET INSERT

Automatic counter and separating sheet inserter with electronic position sensor at blanking station.



NON-STOP SAMPLING

The sampling function allows one-button removal of sample sheets on-the-fly, enabling effortless operation without stopping production.



MAIN UNIT COOLING/LUBRICATION MECHANISM

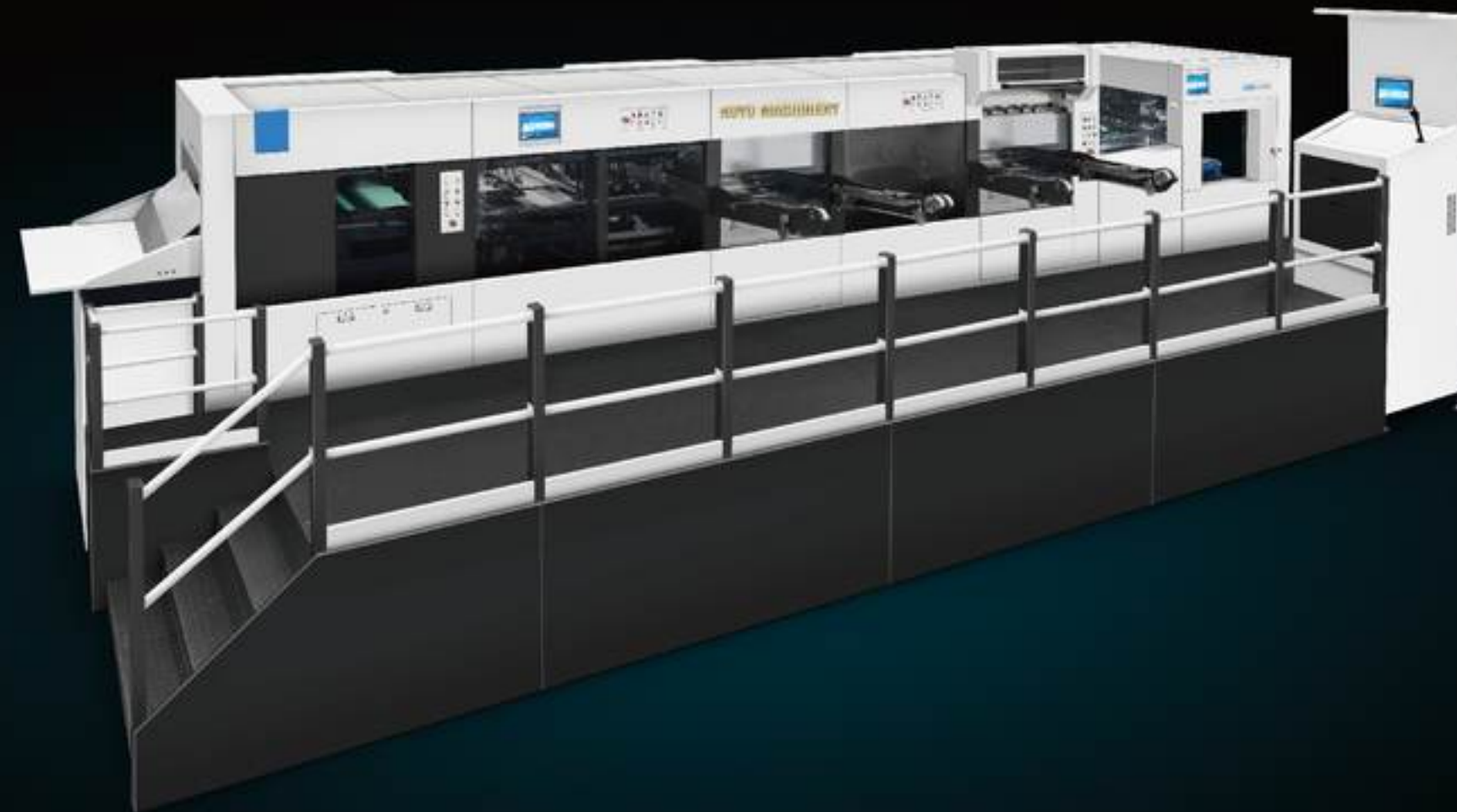
Automatic oil pumping circulation cooling device ensures the lubrication of the main machine during long-term high-speed operation and maintains the normal temperature of the lubricating oil of the main machine.

Main technical parameter			
Model	BHT-3S1060TTMSCE	BHT-3S1060TTRSCE	BHT-3S1060TRMSCE
Stock Range	Cardboard: 80-2000g/m ² ; 0.1-2mm; Corrugated board: ≤4mm		
Max. Sheet Size	1060×760mm	1060×760mm	1060×760mm
Min. Sheet Size	400×350mm	400×350mm	400×350mm
Inner Chase Size	1080×770mm	1080×770mm	1080×770mm
Max. Cutting Size	1060×745mm	1060×745mm	1060×745mm
Max. Stamping Size	1060×740mm	1060×740mm	1060×740mm
Max. Embossing Size	1060×740mm	1060×740mm	1060×740mm
Min. Gripper Margin	9-17mm	9-17mm	9-17mm
Min. Width of Cuts	5mm	5mm	5mm
Die Cutting Accuracy	±0.075mm	±0.075mm	±0.075mm
Common Stamping Accuracy	±0.1mm	±0.1mm	±0.1mm
Hologram Positioning Stamping Accuracy	±0.1mm	±0.1mm	±0.1mm
Embossing Accuracy	±0.075mm	±0.075mm	±0.075mm
Max. Die Cutting Force	600T + 600T + 300T	600T + 600T + 600T	600T + 600T + 300T
Max. Working Speed	6200s/h	6200s/h	6200s/h
Max. Feeder Pile Height at Normal Mode	1800mm	1800mm	1800mm
Max. Feeder Pile Height at Non-stop Mode	1520mm	1520mm	1520mm
Max. Delivery Pile Height	1580mm	1580mm	1580mm
Max. Gold Foil Diameter	250mm Longitudinal, 200mm Transversal		
Electric-heated System	20 Heating zones, 40-180°C Adjustable		
Foil Width	20-1060mm	20-1060mm	20-1060mm
Press 1 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal
Press 2 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Electric-heated System
Press 3 System	Die Cutting+Stripping+Blanking	Electric-heated System+Stripping+Blanking	Die Cutting+Stripping+Blanking
Full Load Wattage	145KW	157KW	125KW
Air Requirement	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min
Net Weight of Machine	63T	64T	63T
Dimensions(Including Die Preloader)(L×W×H)	14995×7613×2909mm	14995×7613×2909mm	14995×7613×2909mm

BHT 2S1060TMSCE 2S1060TRSCE

DUOPRESS Automatic High Speed
Hot Stamping & Die Cutting Machine
with Stripping & Blanking

ROYO MACHINERY



BHT 2S1060RMSCE
2S1060RRSCE

DUOPRESS Automatic
High Speed Die Cutting Machine
with Stripping & Blanking



Main technical parameter				
Model	BHT-2S1060TRSCE	BHT-2S1060TMSCE	BHT-2S1060RRSCE	BHT-2S1060RMSCE
Stock Range	Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: ≤4mm			
Max. Sheet Size	1060×760mm	1060×760mm	1060×760mm	1060×760mm
Min. Sheet Size	400×350mm	400×350mm	400×350mm	400×350mm
Inner Chase Size	1080×770mm	1080×770mm	1080×770mm	1080×770mm
Max. Cutting Size	1060×745mm	1060×745mm	1060×745mm	1060×745mm
Max. Stamping Size	1060×740mm	1060×740mm	/	/
Max. Embossing Size	1060×740mm	1060×740mm	1060×740mm	1060×740mm
Min. Gripper Margin	9-17mm	9-17mm	9-17mm	9-17mm
Min. Width of Cuts	5mm	5mm	5mm	5mm
Die-Cutting Accuracy	±0.075mm	±0.075mm	±0.075mm	±0.075mm
Common Stamping Accuracy	±0.1mm	±0.1mm	/	/
Hologram Positioning Stamping Accuracy	±0.1mm	±0.1mm	/	/
Embossing Accuracy	±0.075mm	±0.075mm	±0.075mm	±0.075mm
Max. Die Cutting Force	600T + 600T	600T + 300T	600T + 600T	600T + 300T
Max. Working Speed	7200s/h	7200s/h	7200s/h	7200s/h
Max. Feeder Pile Height at Normal Mode	1800mm	1800mm	1800mm	1800mm
Max. Feeder Pile Height at Non-stop Mode	1520mm	1520mm	1520mm	1520mm
Max. Delivery Pile Height	1580mm	1580mm	1580mm	1580mm
Max. Gold Foil Diameter	250mm Longitudinal, 200mm Transversal	/	/	/
Electric-heated System	20 Heating zones, 40-180°C Adjustable			
Foil Width	20-1060mm	20-1060mm	/	/
Press 1 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Electric-heated System	Electric-heated System
Press 2 System	Electric-heated System+Stripping+Blanking	Die Cutting+Stripping+Blanking	Electric-heated System+Stripping+Blanking	Die Cutting+Stripping+Blanking
Full Load Wattage	142KW	130KW	112KW	100KW
Air Requirement	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min
Net Weight of Machine	48T	47T	46T	45T
Dimensions(Including Die Preloader)(L×W×H)	12850×7613×2909mm	12850×7613×2909mm	12850×7613×2891mm	12850×7613×2891mm

The job you can realize in one pass as below:

1. hot stamping+hot stamping+hot stamping
2. hot stamping+hot stamping+deep embossing
3. hot stamping+hot stamping+die cutting
4. hot stamping+deep embossing+die cutting



3S1060TTRC

The job you can realize in one pass as below:

1. hot stamping+hot stamping+die cutting+stripping
2. hot stamping+deep embossing+die cutting+stripping
3. deep embossing+deep embossing+die cutting+stripping
4. hot stamping+hot stamping+deep embossing

3S1060TTMC

The job you can realize in one pass as below:

1. hot stamping+hot stamping+die cutting+stripping
2. hot stamping+deep embossing+die cutting+stripping
3. deep embossing+deep embossing+die cutting+stripping



Main technical parameter			
Model	BHT-3S1060TTT	BHT-3S1060TTRC	BHT-3S1060TTMC
Stock Range	Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: ≤4mm		
Max. Sheet Size	1060×760mm	1060×760mm	1060×760mm
Min. Sheet Size	400×350mm	400×350mm	400×350mm
Inner Chase Size	1080×770mm	1080×770mm	1080×770mm
Max. Cutting Size	1060×745mm	1060×745mm	1060×745mm
Max. Stamping Size	1060×740mm	1060×740mm	1060×740mm
Max. Embossing Size	1060×740mm	1060×740mm	1060×740mm
Min. Gripper Margin	9-17mm	9-17mm	9-17mm
Min. Width of Cuts	/	10-18mm	10-18mm
Die Cutting Accuracy	±0.075mm	±0.075mm	±0.075mm
Common Stamping Accuracy	±0.1mm	±0.1mm	±0.1mm
Hologram Positioning Stamping Accuracy	±0.1mm	±0.1mm	±0.1mm
Embossing Accuracy	±0.075mm	±0.075mm	±0.075mm
Max. Die Cutting Force	600T + 600T + 600T	600T + 600T + 600T	600T + 600T + 300T
Max. Working Speed	6200s/h	6200s/h	6200s/h
Max. Feeder Pile Height at Normal Mode	1800mm	1800mm	1800mm
Max. Feeder Pile Height at Non-stop Mode	1520mm	1520mm	1520mm
Max. Delivery Pile Height	1580mm	1580mm	1580mm
Max. Gold Foil Diameter	250mm Longitudinal, 200mm Transversal		
Electric-heated System	20 Heating zones, 40-180°C Adjustable		
Foil Width	20-1060mm	20-1060mm	20-1060mm
Press 1 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal
Press 2 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal
Press 3 System	Foil shafts: 3 Longitudinal + 2 Transversal	Electric-heated System+Stripping	Die Cutting+Stripping
Full Load Wattage	160KW	141KW	129KW
Air Requirement	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min
Net Weight of Machine	63T	62T	61T
Dimensions(including Die Preloader)(L×W×H)	11774×7613×2909mm	11774×7613×2909mm	11774×7613×2909mm

BHT 2S1060TT | DUOPRESS Automatic
High Speed Double Hot
Stamping & Die Cutting Machine

The job you can realize in one pass as below:

1. hot stamping+hot stamping
2. hot stamping+deep embossing
3. hot stamping+die cutting
4. deep embossing+die cutting



**BHT 2S1060TRC
2S1060TMC** | DUOPRESS Automatic High Speed
Hot Stamping & Die Cutting Machine
with Stripping & Heating System

2S1060TRC

The job you can realize in one pass as below:

1. hot stamping+deep embossing
2. hot stamping+die cutting+stripping
3. deep embossing+die cutting+stripping

2S1060TMC

The job you can realize in one pass as below:

1. hot stamping+die cutting+stripping
2. deep embossing+die cutting+stripping



2S1060RRC

The job you can realize in one pass as below:

1. deep embossing+deep embossing
2. deep embossing+die cutting+stripping

2S1060RMC

The job you can realize in one pass as below:

1. deep embossing+die cutting+stripping



Main technical parameter					
Model	BHT-2S1060TT	BHT-2S1060TRC	BHT-2S1060TMC	BHT-2S1060RRC	BHT-2S1060RMC
Stock Range	Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: ≤4mm				
Max. Sheet Size	1060×760mm	1060×760mm	1060×760mm	1060×760mm	1060×760mm
Min. Sheet Size	400×350mm	400×350mm	400×350mm	400×350mm	400×350mm
Inner Chase Size	1080×770mm	1080×770mm	1080×770mm	1080×770mm	1080×770mm
Max. Cutting Size	1060×745mm	1060×745mm	1060×745mm	1060×745mm	1060×745mm
Max. Stamping Size	1060×740mm	1060×740mm	1060×740mm	/	/
Max. Embossing Size	1060×740mm	1060×740mm	1060×740mm	1060×740mm	1060×740mm
Min. Gripper Margin	9-17mm	9-17mm	9-17mm	9-17mm	9-17mm
Min. Width of Cuts	/	10-18mm	10-18mm	10-18mm	10-18mm
Die Cutting Accuracy	≤±0.075mm	≤±0.075mm	≤±0.075mm	≤±0.075mm	≤±0.075mm
Common Stamping Accuracy	≤±0.1mm	≤±0.1mm	≤±0.1mm	/	/
Hologram Positioning Stamping Accuracy	≤±0.1mm	≤±0.1mm	≤±0.1mm	/	/
Embossing Accuracy	≤±0.075mm	≤±0.075mm	≤±0.075mm	≤±0.075mm	≤±0.075mm
Max. Die Cutting Force	600T + 600T	600T + 600T	600T + 300T	600T + 600T	600T + 300T
Max. Working Speed	7200s/h	7200s/h	7200s/h	7200s/h	7200s/h
Max. Feeder Pile Height at Normal Mode	1800mm	1800mm	1800mm	1800mm	1800mm
Max. Feeder Pile Height at Non-stop Mode	1520mm	1520mm	1520mm	1520mm	1520mm
Max. Delivery Pile Height	1580mm	1580mm	1580mm	1580mm	1580mm
Max. Gold Foil Diameter	250mm Longitudinal, 200mm Transversal			/	/
Electric-heated System	20 Heating zones, 40-180°C Adjustable				
Foil Width	20-1060mm	20-1060mm	20-1060mm	/	/
Press 1 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Electric-heated System	Electric-heated System
Press 2 System	Foil shafts: 3 Longitudinal + 2 Transversal	Electric-heated System+Stripping	Die Cutting+Stripping	Electric-heated System+Stripping	Die Cutting+Stripping
Full Load Wattage	114KW	84KW	72KW	78KW	48KW
Air Requirement	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min
Net Weight of Machine	47T	46T	45T	45T	44T
Dimensions(Including Die Preloader)(L×W×H)	9800×7613×2909mm	9800×7613×2909mm	9800×7613×2909mm	9800×7613×2891mm	9800×7613×2891mm





FEEDER(4 SUCTION AND 6 FEED)

Feeder based on advanced technical platform feeding precisely and consistently of wide range stock from 90g/m² thin paper to 1000g/m² cardboard as well as micro flute corrugated board.



ULTRASONIC DOUBLE SHEET DETECTOR

Ultrasonic double sheet detection system with effortless calibration, precise operation, and protection against surface scratches.



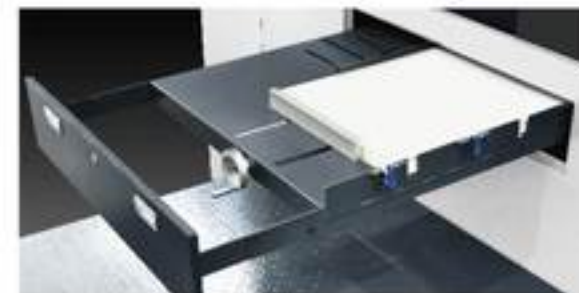
CARBON FIBER GRIPPER BAR

High-tech carbon fiber gripper bar, driven by a large-angle intermittent mechanism, ensures smooth paper feeding with multi-imposition layouts and minimal connection points, delivering high productivity with minimal plate scattering. Safety gripper chain lock automatically secures the gripper drive chain during production stops, malfunctions, or safety device activation, ensuring operator safety.



FULL SHEET DELIVERY

Full sheet delivery system enables flexible production scheduling to accommodate diverse order structures.



AUTO SEPARATION SHEET INSERT

Automatic counter and separating sheet inserter with electronic position sensor at blanking station.



NON-STOP SAMPLING

The sampling function allows one-button removal of sample sheets on-the-fly, enabling effortless operation without stopping production.



VARIABLE SPEED WORM GEAR DRIVE DEVICE

The system features a unique worm gear crank mechanism driving an toggle-type high-precision flatbed die-cutting lower workstation. Short cutting stroke and large dynamic angle enable efficient multi-up high-speed operation.



MICRO-ADJUSTABLE DIE CUTTING PLATE

5mm hardened cutting plate or 4+1mm sandwich plate on top of 15mm precision synthetic supporting plate with +/-0.9mm micro adjustment device for quick set up and easy change over.



ADVANCED PLATE QUICK LOCKING DEVICE

Advanced quick tooling set up system ensures fast plate change over and hence high productivity at stripping stations.

Main technical parameter	
Model	BHT-1060SCE
Stock Range	Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: ≤4mm
Max. Sheet Size	1060×760mm
Min. Sheet Size	400×350mm
Inner Chase Size	1080×770mm
Max. Cutting Size	1060×745mm
Min. Gripper Margin	9-17mm
Min. Width of Double Cuts	5mm
Cutting Rule Height	23.8mm
Die Cutting Accuracy	±0.1mm
Max. Die Cutting Force	300T
Max. Working Speed	8000s/h
Max. Feeder Pile Height at Normal Mode	1800mm
Max. Feeder Pile Height at Non-stop Mode	1520mm
Max. Delivery Pile Height	1580mm
Main Motor Power	15kW
Full Load Wattage	26kW
Air Requirement	0.6-0.7MPa, ≥0.37m ³ /min
Net Weight of Machine	22T
Dimensions (L×W×H)	10508×6016×2891mm(L: paper prepared track included; W: platform included)

BHT 1060AT Automatic Hot Foil Stamping
& Die Cutting Machine (Heavy duty)



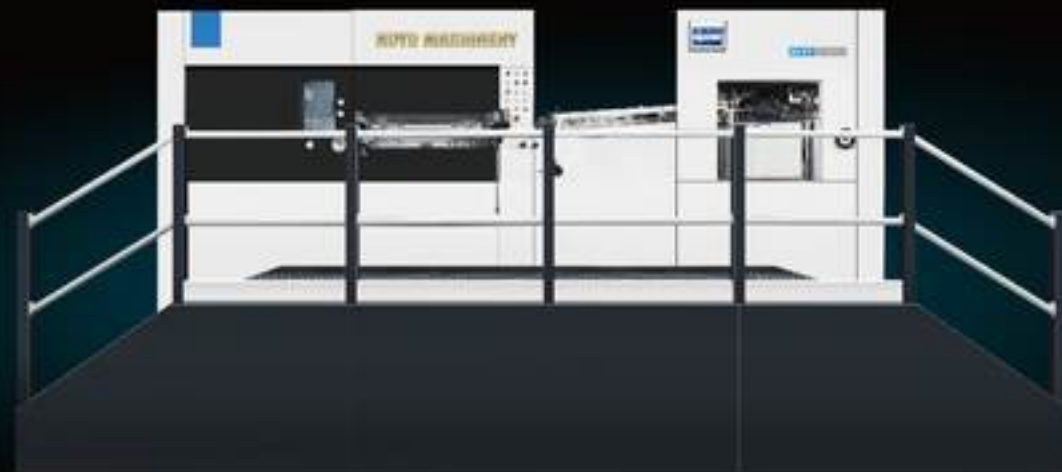
BHT 1060CE Automatic Die Cutting Machine with Stripping
1060ACE Automatic Die Cutting Machine with Stripping (Heavy duty)



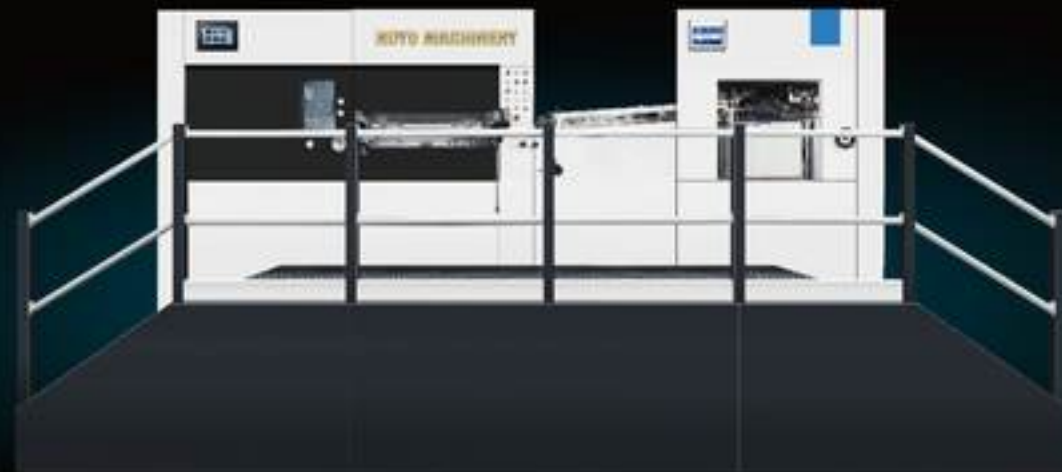
BHT 1060ACER Automatic Die Cutting Machine with Stripping (Heavy duty, Heating system)



BHT 1060 Automatic Die Cutting Machine
1060A Automatic Die Cutting Machine (Heavy duty)



BHT 1060AR Automatic Die Cutting Machine (Heavy duty, Heating system)



Main technical parameter					
Model	BHT-1060AT	BHT-1060CE/1060ACE	BHT-1060ACER	BHT-1060/1060A	BHT-1060AR
Stock Range	Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: ≤4mm				
Max. Sheet Size	1060×760mm	1060×760mm	1060×760mm	1060×760mm	1060×760mm
Min. Sheet Size	400×350mm	400×350mm	400×350mm	400×350mm	400×350mm
Inner Chase Size	1080×770mm	1080×770mm	1080×770mm	1080×770mm	1120×770mm
Max. Cutting Size	1060×745mm	1060×745mm	1060×745mm	1060×745mm	1060×745mm
Max. Stamping Size	1060×745mm	/	/	/	/
Max. Embossing Size	1060×745mm	/	1060×745mm	/	1060×745mm
Min. Gripper Margin	9-17mm	9-17mm	9-17mm	9-17mm	9-17mm
Min. Width of Cuts	/	10-18mm	10-18mm	/	/
Cutting Rule Height	23.8mm	23.8mm	23.8mm	23.8mm	23.8mm
Die Cutting Accuracy	≤±0.075mm	≤±0.075mm	≤±0.075mm	≤±0.075mm	≤±0.075mm
Stamping accuracy	≤±0.1mm	/	/	/	/
Embossing Accuracy	≤±0.075mm	/	≤±0.075mm	/	≤±0.075mm
Max. Die Cutting Force	600T	300T / 600T	600T	300T / 600T	600T
Max. Working Speed	8000s/h	9000s/h(CE) / 8000s/h(ACE)	8000s/h	9000s/h / 8000s/h(A)	8000s/h
Max. Feeder Pile Height	1630mm	1630mm	1630mm	1630mm	1630mm
Max. Delivery Pile Height	1480mm	1480mm	1480mm	1480mm	1480mm
Max. Gold Foil Diameter	250mm Longitudinal 200mm Transversal	/	/	/	/
Electric-heated System	20 Heating zones, 40-180°C Adjustable	/	20 Heating zones, 40-180°C Adjustable	/	20 Heating zones, 40-180°C Adjustable
Foil Width	20-1060mm	/	/	/	/
Main Motor Power	15KW	15KW	15KW	15KW	15KW
Full Load Wattage	56KW	23KW	35KW	23KW	35KW
Air Requirement	0.6-0.7MPa, ≥0.37m ³ /min	0.6-0.7MPa, ≥0.37m ³ /min	0.6-0.7MPa, ≥0.37m ³ /min	0.6-0.7MPa, ≥0.37m ³ /min	0.6-0.7MPa, ≥0.37m ³ /min
Net Weight of Machine	24T	21T / 23T	23T	19T / 21T	21.5T
Dimensions(L×W×H)	7715×4727×2683mm	7715×4466×2301mm(CE) 7715×4616×2301mm(ACE)	7715×4616×2301mm	6705×4466×2301mm 6705×4616×2301mm(A)	6705×4616×2301mm
(L: paper prepared track included; W: platform included)					

3S1050TTTC

The job you can realize in one pass as below:

1. hot stamping+hot stamping+hot stamping
2. hot stamping+hot stamping+deep embossing
3. hot stamping+hot stamping+die cutting
4. hot stamping+deep embossing+die cutting
5. deep embossing+deep embossing+deep embossing
6. hot stamping+hot stamping+die cutting+stripping
7. hot stamping+deep embossing+die cutting+stripping
8. deep embossing+deep embossing+die cutting+stripping

3S1050TTT

The job you can realize in one pass as below:

1. hot stamping+hot stamping+hot stamping
2. hot stamping+hot stamping+deep embossing
3. hot stamping+hot stamping+die cutting
4. hot stamping+deep embossing+die cutting
5. deep embossing+deep embossing+deep embossing

**FLEXIBLE CUSTOMIZATION**

The MHK series TRIOPRESS/DUOPRESS hot foil stamping and die cutting machine allows selective combination of unit functions based on process requirements.

**TECHNOLOGICAL CHARACTERISTICS**

This model adopts independent servo drives for each main unit, allowing asynchronous operation of the impression stations. Each unit can be flexibly started or stopped according to process requirements, ensuring production flexibility while significantly reducing energy consumption and enabling highly efficient operation.

3S1050TTRC

The job you can realize in one pass as below:

1. hot stamping+hot stamping+die cutting+stripping
2. hot stamping+deep embossing+die cutting+stripping
3. deep embossing+deep embossing+die cutting+stripping
4. hot stamping+hot stamping+deep embossing
5. hot stamping+deep embossing+deep embossing

3S1050TTMC

The job you can realize in one pass as below:

1. hot stamping+hot stamping+die cutting+stripping
2. hot stamping+deep embossing+die cutting+stripping
3. deep embossing+deep embossing+die cutting+stripping



Feeder (4 suction and 6 feed)



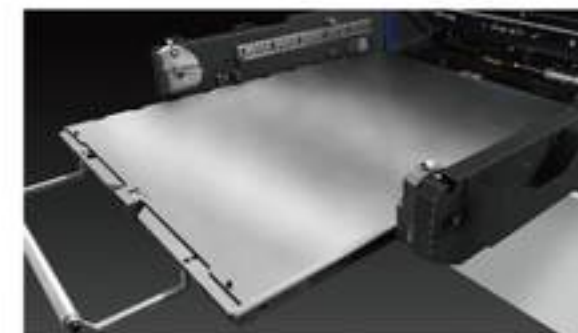
Servo controlled gripper bar positioning device



Micro-adjustable honeycomb plate



Micro-adjustable frame with quick locking device



Micro-adjustable die cutting plate



Delivery unit

Main technical parameter			
Model	MHK-3S1050TTT	MHK-3S1050TTTC	MHK-3S1050TTTC
Stock Range	Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: ≤4mm		
Max. Sheet Size	1050×750mm	1050×750mm	1050×750mm
Min. Sheet Size	400×360mm	400×360mm	400×360mm
Inner Chase Size	1080×745mm	1080×745mm	1080×745mm
Max. Cutting Size	1040×720mm	1040×720mm	1040×720mm
Max. Stamping Size	1040×720mm	1040×720mm	1040×720mm
Max. Embossing Size	1040×720mm	1040×720mm	1040×720mm
Min. Gripper Margin	9-17mm	9-17mm	9-17mm
Min. Width of Cuts	/	10-18mm	10-18mm
Die Cutting Accuracy	±0.075mm	±0.075mm	±0.075mm
Common Stamping Accuracy	±0.1mm	±0.1mm	±0.1mm
Hologram Positioning Stamping Accuracy	±0.1mm	±0.1mm	±0.1mm
Embossing Accuracy	±0.075mm	±0.075mm	±0.075mm
Max. Die Cutting Force	600T + 600T + 600T	600T + 600T + 600T	600T + 600T + 600T
Max. Working Speed	6200s/h	6200s/h	6200s/h
Max. Feeder Pile Height	1600mm	1600mm	1600mm
Max. Delivery Pile Height	1400mm	1400mm	1400mm
Max. Gold Foil Diameter	250mm Longitudinal, 200mm Transversal		
Electric-heated System	20 Heating zones, 40-180°C Adjustable		
Foil Width	20-1020mm	20-1020mm	20-1020mm
Press 1 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal
Press 2 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal
Press 3 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal
Full Load Wattage	160KW	160KW	141KW
Air Requirement	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min
Net Weight of Machine	47T	47T	46T
Dimensions(Including Die Preloader)(L×W×H)	10915×7424×2658mm	10915×7424×2658mm	10915×7424×2658mm



Main technical parameter			
Model	MHK-3S1050TTMC	MHK-3S1050TRRC	MHK-3S1050TRMC
Stock Range	Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: ≤4mm		
Max. Sheet Size	1050×750mm	1050×750mm	1050×750mm
Min. Sheet Size	400×360mm	400×360mm	400×360mm
Inner Chase Size	1080×745mm	1080×745mm	1080×745mm
Max. Cutting Size	1040×720mm	1040×720mm	1040×720mm
Max. Stamping Size	1040×720mm	1040×720mm	1040×720mm
Max. Embossing Size	1040×720mm	1040×720mm	1040×720mm
Min. Gripper Margin	9-17mm	9-17mm	9-17mm
Min. Width of Cuts	10-18mm	10-18mm	10-18mm
Die Cutting Accuracy	±0.075mm	±0.075mm	±0.075mm
Common Stamping Accuracy	±0.1mm	±0.1mm	±0.1mm
Hologram Positioning Stamping Accuracy	±0.1mm	±0.1mm	±0.1mm
Embossing Accuracy	±0.075mm	±0.075mm	±0.075mm
Max. Die Cutting Force	600T + 600T + 600T	600T + 600T + 600T	600T + 600T + 600T
Max. Working Speed	6200s/h	6200s/h	6200s/h
Max. Feeder Pile Height	1600mm	1600mm	1600mm
Max. Delivery Pile Height	1400mm	1400mm	1400mm
Max. Gold Foil Diameter	250mm Longitudinal, 200mm Transversal		
Electric-heated System	20 Heating zones, 40-180°C Adjustable		
Foil Width	20-1020mm	20-1020mm	20-1020mm
Press 1 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal
Press 2 System	Foil shafts: 3 Longitudinal + 2 Transversal	Foil shafts: 3 Longitudinal + 2 Transversal	Electric-heated System
Press 3 System	Die Cutting+Stripping	Electric-heated System+Stripping	Die Cutting+Stripping
Full Load Wattage	129KW	129KW	99KW
Air Requirement	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min
Net Weight of Machine	45T	45T	44T
Dimensions(Including Die Preloader)(L×W×H)	10915×7424×2658mm	10915×7424×2658mm	10915×7424×2658mm

- MHK 2S1050TTC** DUOPRESS Automatic High Speed Double Hot Stamping & Die Cutting Machine with Stripping
- 2S1050TT** DUOPRESS Automatic High Speed Double Hot Stamping & Die Cutting Machine

2S1050TTC

The job you can realize in one pass as below:

1. hot stamping+hot stamping
2. hot stamping+die cutting
3. deep embossing+die cutting
4. hot stamping+deep embossing
5. hot stamping+die cutting+stripping
6. deep embossing+die cutting+stripping

2S1050TT

The job you can realize in one pass as below:

1. hot stamping+hot stamping
2. hot stamping+die cutting
3. deep embossing+die cutting
4. hot stamping+deep embossing



- MHK 2S1050TRC** DUOPRESS Automatic High Speed Hot Stamping & Die Cutting Machine with Stripping & Heating System
- 2S1050TMC**

2S1050TRC

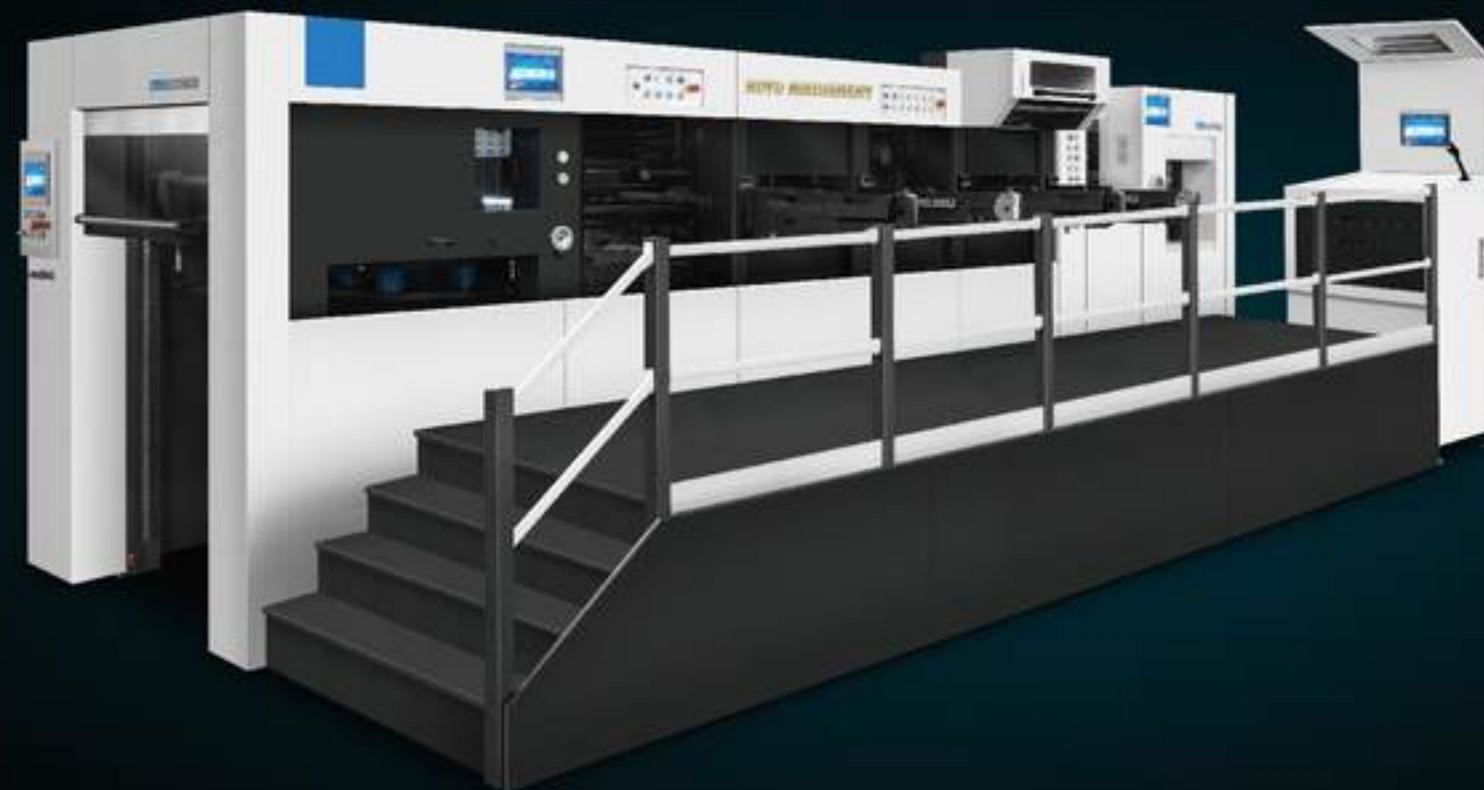
The job you can realize in one pass as below:

1. hot stamping+die cutting+stripping
2. deep embossing+die cutting+stripping
3. hot stamping+deep embossing

2S1050TMC

The job you can realize in one pass as below:

1. hot stamping+die cutting+stripping
2. deep embossing+die cutting+stripping



2S1050RRC

The job you can realize in one pass as below:
1. deep embossing+die cutting+stripping
2. deep embossing+deep embossing

2S1050RMC

The job you can realize in one pass as below:
1. deep embossing+die cutting+stripping



Main technical parameter						
Model	MHK-2S1050TTC	MHK-2S1050TT	MHK-2S1050TRC	MHK-2S1050TMC	MHK-2S1050RRC	MHK-2S1050RMC
Stock Range	Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: ≤4mm					
Max. Sheet Size	1050×750mm	1050×750mm	1050×750mm	1050×750mm	1050×750mm	1050×750mm
Min. Sheet Size	400×360mm	400×360mm	400×360mm	400×360mm	400×360mm	400×360mm
Inner Chase Size	1080×745mm	1080×745mm	1080×745mm	1080×745mm	1080×745mm	1080×745mm
Max. Cutting Size	1040×720mm	1040×720mm	1040×720mm	1040×720mm	1040×720mm	1040×720mm
Max. Stamping Size	1040×720mm	1040×720mm	1040×720mm	1040×720mm	/	/
Max. Embossing Size	1040×720mm	1040×720mm	1040×720mm	1040×720mm	1040×720mm	1040×720mm
Min. Gripper Margin	9-17mm	9-17mm	9-17mm	9-17mm	9-17mm	9-17mm
Min. Width of Cuts	10-18mm	/	10-18mm	10-18mm	10-18mm	10-18mm
Die Cutting Accuracy	±0.075mm	±0.075mm	±0.075mm	±0.075mm	±0.075mm	±0.075mm
Common Stamping Accuracy	±0.1mm	±0.1mm	±0.1mm	±0.1mm	/	/
Hologram Positioning Stamping Accuracy	±0.1mm	±0.1mm	±0.1mm	±0.1mm	/	/
Embossing Accuracy	±0.075mm	±0.075mm	±0.075mm	±0.075mm	±0.075mm	±0.075mm
Max. Die Cutting Force	600T+600T	600T+600T	600T+600T	600T+300T	600T+600T	600T+300T
Max. Working Speed	7200s/h	7200s/h	7200s/h	7200s/h	7200s/h	7200s/h
Max. Feeder Pile Height	1600mm	1600mm	1800mm	1600mm	1600mm	1600mm
Max. Delivery Pile Height	1400mm	1400mm	1580mm	1400mm	1400mm	1400mm
Max. Gold Foil Diameter	250mm Longitudinal, 200mm Transversal				/	/
Electric heated System	20 Heating zones, 40-180°C Adjustable					
Foil Width	20-1020mm	20-1020mm	20-1020mm	20-1020mm	/	/
Press 1 System	Fold shaft: 3Longitudinal+2Transversal	Fold shaft: 3Longitudinal+2Transversal	Fold shaft: 3Longitudinal+2Transversal	Fold shaft: 3Longitudinal+2Transversal	Electric-heated System	Electric-heated System
Press 2 System	Fold shaft: 3Longitudinal+2Transversal	Fold shaft: 3Longitudinal+2Transversal	Electric-heated System+Stripping	Die Cutting+Stripping	Electric-heated System+Stripping	Die Cutting+Stripping
Full Load Wattage	114KW	114KW	84KW	72KW	78KW	48KW
Air Requirement	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min	0.6-0.7MPa, ≥1m ³ /min
Net Weight of Machine	37T	37T	36T	34T	35T	33T
Dimensions(Including Die Preloader)(L×W×H)	9009×7424×2658mm	9009×7424×2658mm	9009×7424×2658mm	9009×7424×2658mm	9009×7424×2658mm	9009×7424×2658mm

MHK 820T

Automatic Hot Foil Stamping & Die Cutting Machine

1050AT
1180AT
1350AT
1500AT
1050ATC

Automatic Hot Foil Stamping & Die Cutting Machine (Heavy duty)



MHK

1050ACER
1180ACER
1350ACER
1500ACER

Automatic Die Cutting Machine with
Four Sides Stripping & Heating System (Heavy Duty)



MHK

1050AR
1180AR
1350AR
1500AR

Automatic Die Cutting Machine with Heating System (Heavy Duty)





Feeder



Servo-controlled gripper bar positioning device



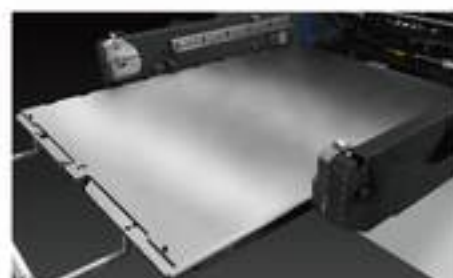
Foil advancing unit



Micro-adjustable honeycomb plate



Die cutting chase



Micro-adjustable die cutting plate



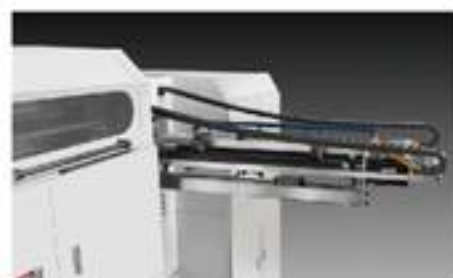
Timing belt drive, Intermittent mechanism



Main unit cooling/lubrication mechanism



Delivery unit



ATC series hot foil stamping or stripping section exchange device



Electrical unit



Germany vacuum pump

MHK

820CE

Automatic Die Cutting Machine with Three Sides Stripping

1050CE

Automatic Die Cutting Machine with Four Sides Stripping

1180CE

1050ACE

Automatic Die Cutting Machine with Four Sides Stripping (Heavy duty)

1180ACE

1350ACE

1500ACE



MHK

820

Automatic Die Cutting Machine

1050

1180

1050A

Automatic Die Cutting Machine (Heavy duty)

1180A

1350A

1500A



Main technical parameter						
Model	MHK-1500AT	MHK-1500A/1500ACE	MHK-1350AT	MHK-1350A/1350ACE	MHK-1180AT	MHK-1180A/1180ACE
		MHK-1500AR/1500ACER		MHK-1350AR/1350ACER		MHK-1180AR/1180ACER
Stock Range	Cardboard: 250-2000g/m ² , 0.25-2mm; Corrugated board: s4mm		Cardboard: 200-2000g/m ² , 0.2-2mm; Corrugated board: s4mm		Cardboard: 100-2000g/m ² , 0.1-2mm; Corrugated board: s4mm	
Max. Sheet Size	1500x1100mm		1350x1100mm		1180x1050mm	
Min. Sheet Size	470x450mm		470x450mm		400x360mm	
Inner Chase Size	1510x1130mm		1360x1130mm		1230x1028mm	
Max. Cutting Size	1480x1080mm		1330x1080mm		1150x1000mm	
Max. Stamping Size	1480x1080mm	/	1330x1080mm	/	1150x1000mm	/
Max. Embossing Size	1480x1080mm(AT/AR/ACER)		1330x1080mm(AT/AR/ACER)		1150x1000mm(AT/AR/ACER)	
Min. Gripper Margin	9-17mm		9-17mm		9-17mm	
Min. Width of Cuts	/	10-18mm(ACE/ACER)	/	10-18mm(ACE/ACER)	/	10-18mm(ACE/ACER)
Cutting Rule Height	23.8mm		23.8mm		23.8mm	
Die Cutting Accuracy	±0.1mm		±0.1mm		±0.1mm	
Stamping Accuracy	±0.15mm	/	±0.15mm	/	±0.15mm	/
Max. Die Cutting Force	600T		600T		400T	
Max. Working Speed	5500s/h		5500s/h		7000s/h	
Max. Feeder Pile Height	1600mm		1600mm		1600mm	
Max. Delivery Pile Height	1400mm		1400mm		1400mm	
Max. Gold Foil Diameter	250mm 200mm	Longitudinal Transversal	/	250mm 200mm	Longitudinal Transversal	/
Electric-heated System	20 Heating zones, 40-180°C Adjustable(AT/AR/ACER)		20 Heating zones, 40-180°C Adjustable(AT/AR/ACER)		20 Heating zones, 40-180°C Adjustable(AT/AR/ACER)	
Foil Width	20-1470mm		20-1320mm		20-1150mm	
Main Motor Power	22kW		22kW		19kW	11kW
Full Load Wattage	67kW	30kW(A) / 31kW(ACE) 47kW(AR) / 49kW(ACER)	67kW	30kW(A) / 31kW(ACE) 47kW(AR) / 49kW(ACER)	67kW	18kW / 19kW(CE) 23kW(A) / 23kW(ACE) 35kW(AR) / 35kW(ACER)
Air Requirement	0.6-0.7MPa, ≥0.75m ³ /min		0.6-0.7MPa, ≥0.75m ³ /min		0.6-0.7MPa, ≥0.37m ³ /min	
Net Weight of Machine	36T	33T(A) / 34T(ACE) 33T(AR) / 34T(ACER)	34T	31T(A) / 32T(ACE) 31T(AR) / 32T(ACER)	24T	19T / 20T(CE) 21.5T(A) / 22T(ACE) 22T(AR) / 23T(ACER)
Dimensions(LxWxH)	10213x5263x2718mm	9113x5263x2560mm(A/AR) 10213x5263x2560mm(ACE/ACER)	10213x5063x2718mm	9113x5063x2560mm(A/AR) 10213x5063x2560mm(ACE/ACER)	7700x4500x2450mm	6262x4610x2504mm 6262x4610x2504mm(A/AR) 7518x4610x2504mm(CE) 7518x4610x2504mm(ACE/ACER)
L: paper prepared track included; W: platform included						



Main technical parameter					
Model	MHK-1050AT/1050ATC	MHK-1050	MHK-1050A/1050ACE	MHK-820/820CE	MHK-820T
		MHK-1050CE	MHK-1050AR/1050ACER		
Stock Range	Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: s4mm			Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: s4mm	
Max. Sheet Size	1050x750mm			820x600mm	
Min. Sheet Size	400x360mm			310x260mm	
Inner Chase Size	1140x755mm			910x610mm	
Max. Cutting Size	1040x720mm			800x580mm	
Max. Stamping Size	1040x720mm	/	/	/	800x580mm
Max. Embossing Size	1040x720mm(AT/ATC/AR/ACER)			/	800x580mm
Min. Gripper Margin	9-17mm			9-17mm	
Min. Width of Cuts	10-18mm(ATC/CE/ACE/ACER)			— / 10-18mm	/
Cutting Rule Height	23.8mm			23.8mm	
Die Cutting Accuracy	±0.075mm			±0.1mm	
Stamping Accuracy	±0.1mm	/	/	/	±0.1mm
Max. Die Cutting Force	600T	300T	600T	300T	
Max. Working Speed	7500s/h			7500s/h	
Max. Feeder Pile Height	1600mm			1500mm	
Max. Delivery Pile Height	1400mm			1300mm	
Max. Gold Foil Diameter	250mm 200mm	Longitudinal Transversal	/	/	250mm 200mm
Electric-heated System	20 Heating zones, 40-180°C Adjustable(AT/AR/ACER)				20 Heating zones, 40-180°C Adjustable(AT/AR/ACER)
Foil Width	20-1020mm			/	20-780mm
Main Motor Power	15kW	11kW	19kW	11kW	
Full Load Wattage	56kW	16kW / 17kW(CE)	21kW(A) / 21kW(ACE) 35kW(AR) / 35kW(ACER)	16kW / 17kW(CE)	52kW
Air Requirement	0.6-0.7MPa, ≥0.37m ³ /min				0.6-0.7MPa, ≥0.37m ³ /min
Net Weight of Machine	20T(AT) / 20.5T(ATC)	16T / 17T(CE)	18.5T(A) / 19T(ACE) 18.5T(AR) / 19T(ACER)	12T / 13T(CE)	14.5T
Dimensions(LxWxH)	7100x4317x2643mm(AT) 7100x5017x2643mm(ATC)	6150x4258x2334mm 7100x4258x2334mm(CE)	6150x4317x2334mm(A/AR) 7100x4317x2334mm(ACE/ACER)	5695x3676x2185mm 6485x3676x2185mm(CE)	6485x3676x2388mm
L: paper prepared track included; W: platform included					



FEEDER

High-speed feeder head with adaptive paper adjustment capability.



PAPER CONVEYING UNIT

Equipped with gas spring support and slowdown mechanism for sheet feeding at the front gauge, it integrates with the paper feeding frame for unified adjustment of the feeding rollers, enabling rapid and convenient tuning.



TIMING BELT DRIVE, INTERMITTENT MECHANISM

High-precision imported intermittent splitter is capable of maintaining high positioning accuracy even after long-term use.



MAIN UNIT COOLING/LUBRICATION MECHANISM

Automatic oil pumping circulation cooling device ensures the lubrication of the main machine during long-term high-speed operation and maintains the normal temperature of the lubricating oil of the main machine.



ELECTRICAL UNIT

Adopts electrical components of world famous brands (MOELLER/OMRON) for better performance and prompt after-sale service/maintenance.



NON-STOP ROLL-UP CURTAIN TYPE PAPER DELIVERY DEVICE

Main collecting device and auto non-stop roll-up type auxiliary collecting device switch automatically without any operation, significantly enhancing productivity.

MHC 1060CE Automatic Die Cutting Machine with Stripping

1060ACE Automatic Die Cutting Machine with Stripping (Heavy duty)



Auto Non-stop Collecting Device

MHC 1060ACER Automatic Die Cutting Machine with Stripping
(Heavy duty, Heating system)



MHC 1060 Automatic Die Cutting Machine

1060A Automatic Die Cutting Machine (Heavy duty)



MHC 1060AR Automatic Die Cutting Machine (Heavy duty, Heating system)



Auto Non-stop Collecting Device

Main technical parameter				
Model	MHC-1060/1060A	MHC-1060AR/1060ACER	MHC-1060CE/1060ACE	MHC-1060AT
Stock Range	Cardboard: 80-2000g/m ² , 0.1-2mm; Corrugated board: ≤1mm			
Max. Sheet Size	1080×780mm	1080×780mm	1080×780mm	1080×780mm
Min. Sheet Size	400×350mm	400×350mm	400×350mm	400×350mm
Inner Chase Size	1120×786mm	1120×786mm	1120×786mm	1120×786mm
Max. Cutting Size	1060×760mm	1060×760mm	1060×760mm	1060×760mm
Max. Stamping Size	/	/	/	1060×760mm
Max. Embossing Size	/	1060×760mm	/	1060×760mm
Min. Gripper Margin	9-17mm	9-17mm	9-17mm	9-17mm
Min. Width of Cuts	/	→ / 10-18mm	10-18mm	/
Cutting Rule Height	23.8mm	23.8mm	23.8mm	23.8mm
Die Cutting Accuracy	±0.1mm	±0.1mm	±0.1mm	±0.1mm
Stamping Accuracy	/	/	/	±0.1mm
Embossing Accuracy	/	±0.1mm	/	±0.1mm
Max. Die Cutting Force	300T / 600T	600T	300T / 600T	600T
Max. Working Speed	7500s/h	7500s/h	7500s/h	7500s/h
Max. Feeder Pile Height	1600mm	1600mm	1600mm	1600mm
Max. Delivery Pile Height	1400mm	1400mm	1400mm	1400mm
Max. Gold Foil Diameter	/	/	/	250mm Longitudinal, 200mm Transversal
Electric-heated System	/	20 Heating zones, 40-180°C Adjustable	/	20 Heating zones, 40-180°C Adjustable
Foil Width	/	/	/	20-1020mm
Main Motor Power	11KW / 15KW	15KW	11KW / 15KW	15KW
Full Load Wattage	16.9KW / 21KW	35KW	18KW / 21KW	52KW
Air Requirement	0.6-0.7MPa, ≥0.37m ³ /min	0.6-0.7MPa, ≥0.37m ³ /min	0.6-0.7MPa, ≥0.37m ³ /min	0.6-0.7MPa, ≥0.37m ³ /min
Net Weight of Machine	16.5T / 19T	19T / 20T	17.5T / 20T	20.5T
Dimensions (L×W×H)	6300×4256×2350mm	6300×4306×2350mm(AR)	7300×4256×2350mm(CE)	7300×4306×2673mm
	6300×4306×2350mm(A)	7300×4306×2350mm(ACER)	7300×4306×2350mm(ACE)	
L: paper prepared track included; W: platform included				

Optional Accessory Equipment

Stripping Die Preloader



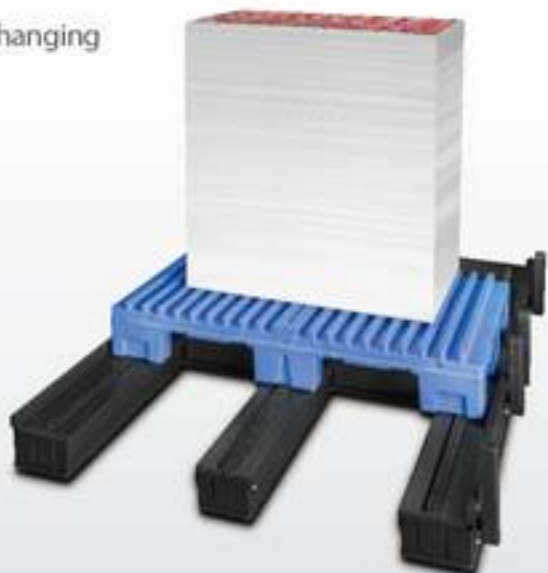
Die Preloader



Light Table



Automated Pallet Changing in Logistics



Hot Stamping And Die-cutting Process Solutions



Cigarette Package



Wine Package



Medicine Package



Cosmetics Package

One Stop Solution

Dayuan provides a wide range of solutions according to your various production requirements to improve the production efficiency.

