

High Speed Automatic Die Cutting Machines

Royo Machinery USA, LLC

PO Box 565931
Miami, FL 33256
Tel: +1(786)713-0996
W: www.royomachinery.com

Equipment Sales:
sales@royomachinery.com
Parts Sales:
parts@royomachinery.com



ROYO MACHINERY

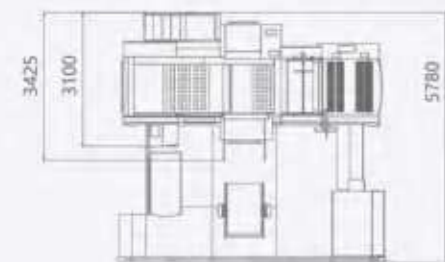
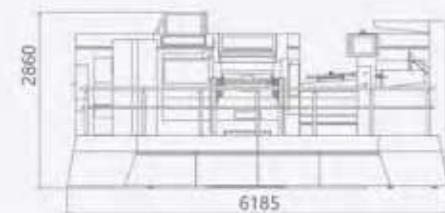
HT1060T

Excellent Foil Stamping Machine

LARGE AREA FOIL STAMP

+ Hologram stamping is option

⌚ Max foil stamping speed 7500s/h



ROYO MACHINERY

Performance Characteristics

Used for carton box, hand bag, label foil stamp, die cut, hot and cold emboss. Equipped with 3 longitudinal and 2 traversal foil shafts. Mitsubishi and Panasonic PLC and 9 sets of Yaskawa servo motor from Japan. Paper slows down when approaches front layer to ensure stamping accurate. A blowing foil separation device used for large area foil stamping.

Specification

Max.Paper Size	1060X740mm
Min.Paper Size	400X360mm
Max.Cutting Size	1040X730mm
Max.Foil Stamping Size	1030X730mm
Inside Chase Size	1050X740mm
Height of Cutting Rules	23.8mm
First Cutting Rule	10mm
Min.Gripper Margin	9mm
Max.Foil Stamping Speed	7500s/h
Max.Cutting Speed	7500s/h
Max.Hologram Speed (Option)	6500s/h
Max.Pressure	300T
Die-cutting Precision	±0.075mm
Heating Zone	16zones
Foil stamping and Heating Temperature	0-190°C
Max.Feeding Pile Height (incl.pallet)	1630mm
Max.Delivery Pile Height (incl.pallet)	1450mm
Thickness of Cardboard	80g/m ² -2000g/m ²
Thickness of Corrugated Paper	≤4mm
Weight	21T
Total Power	65kW
Compressed air	0.8MPa
Air flow	0.6m ³ /Min



LARGE AREA FOIL STAMP



DETAIL FOIL STAMP



EMBOSSING FOIL STAMP

HT1060PG HT1060G

Excellent Die Cutting And Stripping Machine

Excellent Die Cutting Machine

9000 s/h

HIGHEST DIE CUTTING
AND STRIPPING SPEED

-  Gripper margin removal
-  Easy to operate and save time
-  High output
-  Perfect products quality



ROYO MACHINERY

Performance Characteristics

This is a high-performance equipment with better performance to meet customers' requirements for higher product quality and higher productivity.

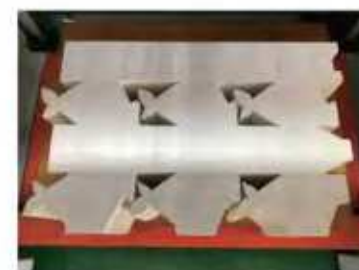
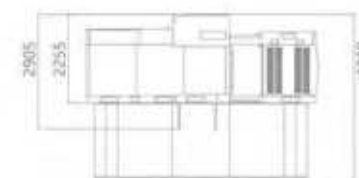
Specification

HT1060PG/ HT1060G

Max Paper Size	1060X760mm
Min Paper Size	400X380mm
Max Cutting Size	1050X750mm
Max Pressure	350T
Die-cutting Precision	±0.075mm
Inside Chase Size	1070X760mm
Die Cutting Plate Size	1065X760mm
Height of Cutting Rules	23.8mm
First Cutting Rule	8-16mm
Min Gripper Margin	9mm
Max Feeding Pile Height (incl.pallet)	1750mm
Max Delivery Pile Height (incl.pallet)	1600mm
Max Cutting Speed	9000s/h
Max Die-cutting and Stripping Speed	8500s/h
Thickness of Cardboard	80g/m ² -2000g/m ²
Thickness of Corrugated Paper	≤4mm
Total Power	20kw/17kw
Weight	20T/16T



(HT1060PG) 5860 / (HT1060G) 4745



HT1060PG

Excellent Die Cutting And Stripping Machine



FEEDER

Non-stop feeder.
Height and angle of feeder can be adjusted.
Feeder pile is motorized moved.



FEED TABLE

Speed of sheet is reduced front lays.
Suction belts.
Rollers and brushes moved together.
Electromagnetic clutch.
Four front lays are motor controlled.
Ultrasonic double sheet detector.



DIE-CUTTING UNIT

Adjustment of pressure is servo motorized.
Quick lock of chase and die cutting plate.
Central line of die cutting chase.
Micro adjustment of cutting plate.
Cutting component adopts sand ductile iron ensure machine life.
Worm gear, worm and crankshaft are special processed material.
Worm gear is scraped manually to ensure high matching.
Gripper bar can be fine.



STRIPPING UNIT

3-cassette integrated frames ensure stripping stable and precise.
Stripping mould are quick locked.
Central line device makes stripping frame installation easy and quick.
Fine adjustment system on upper and lower stripping frame.
Upper stripping frame can be lifted automatically.
Protection window automatically up and down.



DELIVERY

Automatic no-stop apron.
Sheet longitudinal size is motorized adjusted.
Sheet braking brush's angle is motorized adjusted.
Pneumatic flap for test sheet removal.
Air direction and pressure of bar blowing is adjustable.
Tape inserter is an option.



GRIPPER MARGIN REMOVAL

Gripper margin removal system.

ROYO MACHINERY

HT810T

Excellent Heavy-duty Foil Stamping Machine



Performance Characteristics

For Hang tag, trademark, carton box, handbag and other fine printing product foil stamp, die cut, crease, hot and cold emboss.

Standard vertical three-axis hot stamping. Six-axis stamping and hologram is option. This is a high-performance equipment with better performance to meet customers' requirements for higher product quality and higher productivity.

Specification

Max.Paper Size	810X610mm
Min.Paper Size	320X260mm
Max.Cutting Size	800X600mm
Max.Foil Stamping Size	780X580mm
Max.Cutting Speed	9000s/h
Max.Foil Stamping Speed	9000s/h
Max.Hologram Speed (Option)	7500s/h
Max.Pressure	500T
Foil stamping and Die-cutting Precision	±0.075mm
Inside Chase Size	815X620mm
Height of Cutting Rules	23.8mm
First Cutting Rule	12mm
Min.Gripper Margin	7mm
Heating Zone	10zones
Heating Temperature	0-190°C
Max.Feeding Pile Height (incl.pallet)	1480mm
Max.Delivery Pile Height (incl.pallet)	1360mm
Thickness of Cardboard	80g/m ² -2000g/m ²
Thickness of Corrugated Paper	≤4mm
Feeding Shafts	3/6 (OPTION)
Weight	13T
Total Power	45KW

- ⊖ Excellent productivity
- ⊕ Foil re-winder is option
- ⊕ Hologram is option
- ⊕ 6 shafts is option

ROYO MACHINERY



HIGHEST FOIL STAMPING SPEED **9000** s/h



Non-stop feeder.
Feeder pile is motorized moved.



Speed of sheet is reduced before front lays.
Central paper size adjustment electromagnetic clutch.
Four front lays are motor controlled.
Ultrasonic double sheet detector.



Adjustment of pressure is servo motorized.
Quick lock of chase and die cutting plate.
Central line of die cutting chase.
Micro adjustment of cutting plate.
4-1mm sandwich cutting plate.
Cutting component adopts ductile iron ensure machine life.
Worm gear, worm crankshaft are special processed material.
Worm gear is scraped manually to ensure high matching.



Automatic foil prefeed mechanism.
Intelligent system for economizing utilization of foil.
Air blow for foil and paper separating.
Foil feed system can be pulled out to ease foil roller changeover.
High pressure Yaskawa servo motor system.



Automatic no-stop apron.
Sheet longitudinal size is motorized adjusted.
Sheet braking brush's angle is motorized adjusted.
Pneumatic flap for test sheet removal.
Air direction and pressure of bar blowing is adjustable.
Whole body access detection ensures operator's safety.
Tape inserter is an option.



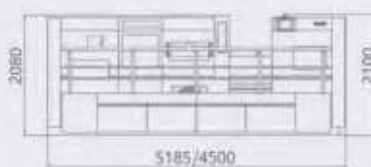
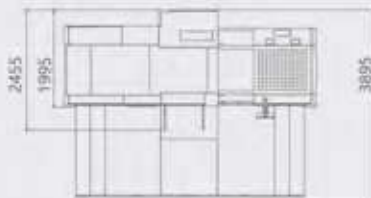
Equipped with 6 Axis Non stop foil rewinder.

HT810S/760S

Excellent Heavy-duty Die Cutting Machine
With Stripping

ROYO MACHINERY

- ✓ Short changeover
- ✓ Highly intelligent
- ✓ Stable and high efficient



HIGHEST DIE CUTTING
AND STRIPPING SPEED

9000 s/h

Performance Characteristics

This is a high-performance equipment with better performance to meet customers' requirements for higher product quality and production efficiency.

High-speed die-cutting and stripping machine developed for B2 format digital and offset printing.

It can process cards, cartons, ticket sets, labels, tags, stickers and other products. It has the functions of die-cutting, indentation, embossing and braille embossing.

Specification

Max.Paper Size	810X610mm/760X610mm
Min.Paper Size	320X260mm
Max.Cutting Size	800X600mm/750X600mm
Max.Cutting Speed	9000s/h
Max.Stripping Speed	9000s/h
Max. Pressure	500T
Die-cutting Precision	±0.075mm
Inside Chase Size	815X620mm/765X620mm
Height of Cutting Rules	23.8mm
First Cutting Rule	12mm
Min.Gripper Margin	7mm
Max.Feeding Pile Height (incl.pallet)	1480mm
Max.Delivery Pile Height (incl.pallet)	1360mm
Thickness of Cardboard	80g/m ² -2000g/m ²
Thickness of Corrugated Paper	≤4mm
Weight	13T/12.5T
Total Power	18kw/15kw



- ✓ Short changeover
- ✓ Highly intelligent
- ✓ Stable and high efficient

Performance Characteristics

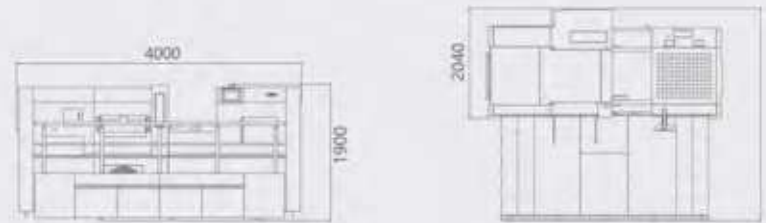
This is a high-performance equipment with better performance to meet customers' requirements for higher product quality and production efficiency. High-speed die-cutting machine developed for B2 format digital and offset printing. It can process cards, cartons, ticket sets, labels, tags, stickers and other products. It has the functions of die-cutting, indentation, embossing and braille embossing.

Specification

Max.Paper Size	810X610mm
Min.Paper Size	320X260mm
Max.Cutting Size	800X600mm
Max.Cutting Speed	9000s/h
Max. Pressure	500T
Die-cutting Precision	±0.075mm
Inside Chase Size	615X620mm
Height of Cutting Rules	23.8mm
First Cutting Rule	12mm
Min.Gripper Margin	7mm
Max.Feeding Pile Height (incl.pallet)	1480mm
Max.Delivery Pile Height (incl.pallet)	1360mm
Thickness of Cardboard	80g/m ² -2000g/m ²
Thickness of Corrugated Paper	≤4mm
Weight	12T
Total Power	17kw




HIGHEST DIE CUTTING AND STRIPPING SPEED **9000** s/h



HT600T

High Speed
Foil Stamper

 Small footprint

 Short set-up time

 Intelligent register vision system
(Invention Patent) is option



Match for:

Heidelberg Versafire
Xerox IGEN Ricoh 7900
Heidelberg Speedmaster 52

Ryobi 520
Kodak Nexpress
HP Indigo 7K, 5900, etc

ROYO MACHINERY



Performance Characteristics

Professional die cutting and foil stamping machine with world's highest die cutting and foil stamping speed. Stable functions, easy and convenient operability will help you improve production efficiency and quality.

Specification

Max.Paper Size	600X420mm
Min.Paper Size	280X233mm
Max.Cutting Size	590X410mm
Max.Die-cutting and Foil stamping speed	9000s/h / 6000s/h(vision)
Max.Pressure	180T
Die-cutting Precision	±0.075mm
Inside Chase Size	600X430mm
Die Cutting Plate Size	600X420mm
Height of Cutting Rules	23.8mm
First Cutting Rule	8-16mm
Min.Gripper Margin	9mm
Max.Feeding Pile Height (incl.pallet)	900mm
Max.Delivery Pile Height (incl.pallet)	800mm
Thickness of Cardboard	80g/m ² -1000g/m ²
Thickness of Corrugated Paper	0-2mm
Total Power	27kw/29kw(vision)
Weight	7T/7.5T(vision)

- Hot Foil Stamping
- Die Cutting
- Creasing
- Kiss Cut
- Braille Embossing
- Blind Embossing
- Hot Cut
- Perforating
- Hologram Option

MAX FOIL
STAMPING SPEED

9000 s/h

HT600 High Speed Die Cutter

Match for:

Heidelberg Versafire
Xerox IGEN Ricoh 7900
Heidelberg Speedmaster 52

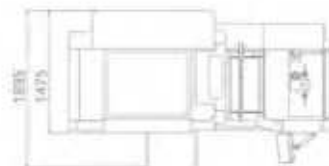
Ryobi 520
Kodak Nexpress
HP Indigo 7K, 5900, etc

Performance Characteristics

High-speed die-cutting machine developed for **B2 format** digital and offset printing. It can process cards, cartons, ticket sets, labels, tags, stickers and other products. It has the functions of die-cutting, indentation, embossing, embossing, braille embossing, bronzing, etc. Efficient, fast, and covers a small area.

Specification

Max Paper Size	600X420mm
Min Paper Size	280X233mm
Max Cutting Size	590X410mm
Max Cutting Speed	10000s/h / 6000s/h(vision)
Max Pressure	180T
Die-cutting Precision	±0.075mm
Inside Chase Size	600X430mm
Die Cutting Plate Size	600X420mm
Height of Cutting Rules	25.8mm
First Cutting Rule	8-16mm
Min Gripper Margin	5mm
Max Feeding Pile Height (incl pallet)	900mm
Max Delivery Pile Height (incl pallet)	800mm
Thickness of Cardboard	80g/m ² -1000g/m ²
Thickness of Corrugated Paper	0.52mm
Total Power	10kw/12kw(vision)
Weight	5T/5.5T(vision)



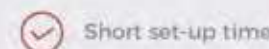
ROYO MACHINERY



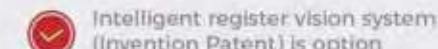
MAX DIE CUTTING SPEED **10000** s/h



Small footprint



Short set-up time



Intelligent register vision system (Invention Patent) is option

HT760T

High Speed Die Cutting And Foil Stamping Machine

ROYO MACHINERY

- ✓ Exquisite
- ⊕ Hologram is option
- ⊕ 6 axis is option
- ⊕ Detail foil stamp



Performance Characteristics

For Hang tag, trademark, carton box, handbag and other fine printing product foil stamp, die cut, crease, hot and cold emboss.

Specification

Max.Paper Size	788X546mm
Min.Paper Size	320X260mm
Max.Cutting Size	750X510mm
Max.Foil Stamping Size	740X500mm
Max.Cutting Speed	9000s/h
Max.Foil Stamping Speed	9000s/h
Max.Hologram Speed (Option)	7500s/h
Max.Pressure	250T
Die-cutting Precision	±0.075mm
Inside Chase Size	765X530mm
Height of Cutting Rules	23.8mm
First Cutting Rule	12mm
Min.Gripper Margin	7mm
Heating Zone	8zones
Heating Temperature	0-190°C
Max.Feeding Pile Height (incl.pallet)	1280mm
Max.Delivery Pile Height (incl.pallet)	1160mm
Thickness of Cardboard	80g/m ² -2000g/m ²
Thickness of Corrugated Paper	±4mm
Feeding Shafts	3/6
Weight	11T
Total Power	38KW



HIGH SPEED DIE CUTTING AND FOIL STAMPING MACHINE

9000 s/h

HT760P/760PC

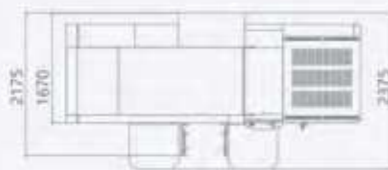
High Speed Die Cutting Machine
With Stripping

9000 s/h

HIGHEST DIE CUTTING
AND STRIPPING SPEED



- ✓ Smart
- 1 Strip out holes and edges
- ⊕ Wide applicability
- Match with B2



ROYO MACHINERY

Performance Characteristics

Used for hangtags, label carton box, hand bag die cutting, creasing and cold embossing with stripping unit.

Stripping frame can stay in any position and easy to install pins.

Equipped with non stop feeding and non stop delivery device.

Pneumatic lock on die cutting chase and air floating device on die cut plate.

German chains ensure accuracy of gripper bars.

Length of gripper chains can be adjusted.

Can strip holes more than 3mm in diameter.

Specification

Max.Paper Size	788X546mm
Min.Paper Size	320X260mm
Max.Cutting Size	750X510mm
Max.Cutting Speed	9000s/h
Max.Stripping Speed	9000s/h
Max.Pressure	250T/300T
Die-cutting Precision	±0.075mm
Inside Chase Size	765X530mm
Height of Cutting Rules	23.8mm
First Cutting Rule	12mm
Min.Gripper Margin	7mm
Max.Feeding Pile Height (incl.pallet)	1280mm
Max.Delivery Pile Height (incl.pallet)	1160mm
Thickness of Cardboard	80g/m ² -2000g/m ²
Thickness of Corrugated Paper	≤4mm
Weight	9T/11T
Total Power	16kw
Main motor power	7.5kw
Power supply	3AC380V/PEN 50HZN18KVA



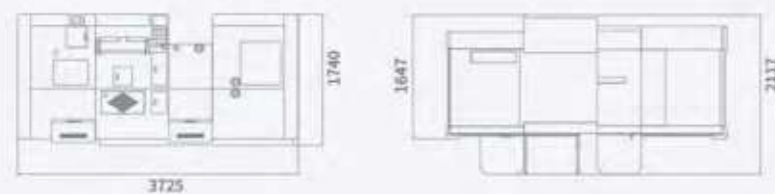
HT760

High Speed Die Cutting Machine

10000 s/h

HIGHEST DIE-CUTTING SPEED

- Smart
- Simple
- Wide applicability
- Match with B2



ROYO MACHINERY

Performance Characteristics

Used for hangtags, label, carton box, hand bag die cuttings creasing and cold embossing. Pneumatic lock on die cutting chase and air floating device on die cut plate. German chains ensure accuracy of gripper bars. Length of gripper chains can be adjusted.

Specification

Max.Paper Size	788X546mm
Min.Paper Size	320X260mm
Max.Cutting Size	750X510mm
Max.Cutting Speed	10000s/h
Max.Pressure	250T / 270T / 300T / 250T
Die-cutting Precision	±0.075mm
Inside Chase Size	765X530mm
Height of Cutting Rules	23.8mm
First Cutting Rule	12mm
Min.Gripper Margin	7mm
Max.Feeding Pile Height (incl pallet)	1280mm
Max.Delivery Pile Height (incl pallet)	1160mm
Thickness of Cardboard	80g/m ² -2000g/m ²
Thickness of Corrugated Paper	≤4mm
Weight	8T / 9T / 10T / 8T
Total Power	14kw

HT760E:

Pneumatic chase lock	Pneumatic die cutting plate lock	Micro adjustment of die cutting plate
Obstacle plate with sensor	Beltd driven intermittence	Toque limiter



HT1060SE/1060E HT1060S

Die Cutting And Hot Embossing Machine (With/Without Stripping)

Die Cutting And Stripping Machine



ROYO MACHINERY

Performance Characteristics

Mainly used for deep embossing and cold and hot embossing of fine printed products such as carton and color box in the packaging industry, such as cigarette box, wine box, gift box, cosmetics box, food box, puzzle, etc. to make the products more three-dimensional and exquisite. 12 individual heating zones is efficiency and energy-efficient. Machine adopts reinforcement design to make it withstand strong pressure. Central line system in die cutting and stripping unit. Accurate positioning can increase production efficiency. The up/down movement of upper stripping frame is controlled by motor. Stripping frame can be lifted automatically when not needed.

Specification

Max Paper Size	1060X740 mm
Min Paper Size	400X360mm
Max Cutting Size	1040X730mm
Max Pressure	550T/550T/300T
Die-cutting Precision	±0.075mm
Inside Chase Size	1050X740mm
Height of Cutting Rules	23.8mm
First Cutting Rule	10mm
Min Gripper Margin	9mm
Heating Zone	12zones/12zones/-
Temperature	0-190°c/0-190°c/-
Max Feeding Pile Height (incl pallet)	1750mm
Max Delivery Pile Height (incl pallet)	1600mm
Max Cutting Speed	8000s/h
Max Die-cutting and Stripping Speed	8000s/h/-/8000s/h
Thickness of Cardboard	80g/m ² -2000g/m ²
Thickness of Corrugated Paper	4mm
Total Power	45kw/36kw/18kw
Weight	21T/18T/18T



⌚ Highest speed 8000s/h

⊕ 550T Pressure

🔄 Temperature controlled by PLC, save power consumption

HEAVY HEATING EMBOSSING AND STRIPPING MACHINE

HT1050P

Die Cutting Machine
With Stripping

Stable

Durable



HIGHEST DIE CUTTING
AND STRIPPING

8000 s/h

ROYO MACHINERY

Performance Characteristics

Used for carton box, hand bag, label die cuttings creasing cold embossing and stripping.
Equipped with feeding and non stop delivery device.
Feeding table is adjustable for aligning paper stack.
Pneumatic lock on die cutting chase and air floating device on die cut plate.
German chains ensure accuracy of gripper bars and length of gripper chains are adjustable.
Smart stripping design leads to quick make readies and job change-over.
Stripping frame can be lifted automatically when not needed.

Specification

Max.Paper Size	1050X740mm
Min.Paper Size	400X360mm
Max.Cutting Size	1040X730mm
Max.Pressure	300T
Die-cutting Precision	±0.075mm
Inside Chase Size	1050X740mm
Height of Cutting Rules	25.8mm
First Cutting Rule	10mm
Min.Gripper Margin	9mm
Max.Feeding Pile Height (incl.pallet)	1450mm
Max.Delivery Pile Height (incl.pallet)	1300mm
Max.Cutting Speed	8000s/h
Max.Die-cutting and Stripping Speed	8000s/h
Thickness of Cardboard	80g/m ² -2000g/m ²
Thickness of Corrugated Paper	≤4mm
Total Power	16.9kw
Weight	17T
Dimensions	5585X3850X2005mm



HT1050A/1050B/1050G Die-Cutting Machine

Die-Cutting Machine



Paper



Corrugated board



Card board



Plastic



Sticker



PVC

Performance Characteristics

Used for carton box, hand bag, label die cutting and creasing, cold embossing. Equipped with non stop feeding and non stop delivery device.

Feeding table is adjustable for aligning paper stack.

Pneumatic lock on die cutting chase and air floating device on die cut plate.

German chains ensure accuracy of gripper bars and length of gripper chains are adjustable.

Specification

Max. Paper Size	1050X740mm
Min. Paper Size	400X360mm
Max. Cutting Size	1040X730mm
Max. Cutting Speed	8000s/h
Max. Pressure	300T/500T/300T
Die-cutting Precision	±0.075mm
Inside Chase Size	1050X740mm
Height of Cutting Rules	23.8mm
First Cutting Rule	10mm
Min. Gripper Margin	9mm
Max. Feeding Pile Height (incl. pallet)	1450/1450/1750mm
Max. Delivery Pile Height (incl. pallet)	1300/1300/1600mm
Thickness of Cardboard	80g/㎡-2000g/㎡
Thickness of Corrugated Paper	≤4mm
Weight	15T/16T/15.5T
Total Power	16kw
Dimensions	4620x3765x2005/2005/2305



ROYO MACHINERY

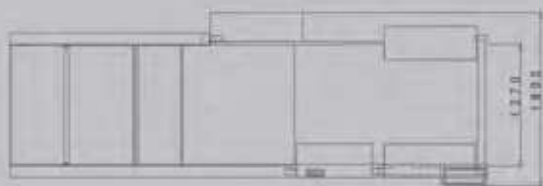
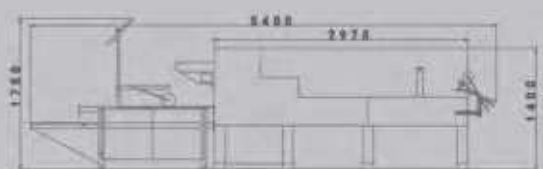
⊕ Suitable for thin paper and plastic

✓ Heating and anti-static is option

SUITABLE FOR VARIOUS MATERIALS

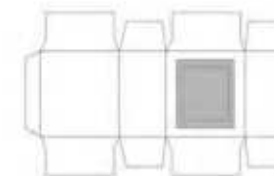
12000 s/h

HIGHEST
PATCHING SPEED

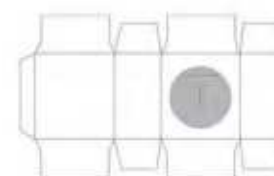


Performance Characteristics

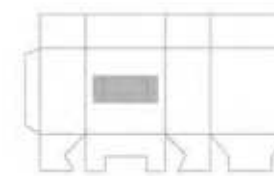
Used for pasting plastics window on phone, wine, tissue, clothes and milk box.
Paper and film feeding adopt servo motor to achieve high speed, stability and accuracy.
Gluing section can be pulled out and easy for setting and cleaning.
Glue can be adjusted to make the gluing even and economic.
Knife cylinder inter-crosses with fixed knife bar ensures cut film edge smooth like scissors.
Equipped with static elimination system.



Common



Patching incision of the napkin box



Perforation of the kraft paper

Specification

Max.Paper Size	1100X650mm
Min.Paper Size	140X140mm
Max.Film Size	410X300mm
Min.Film Size	80X60mm
Sheet Thickness	0.05-0.20mm
Positioning accuracy	±0.5mm
Max.working speed	12000s/h/18000s/h
Carboard	200-500g/rl
Corrugated Paper	≤5mm
Total Power	9kw/13kw
Total Weight	3.5T/4T
Overall Dimensions	5400X1805X1750mm
When the roller pull out the dimensions	5400X3160X1750mm