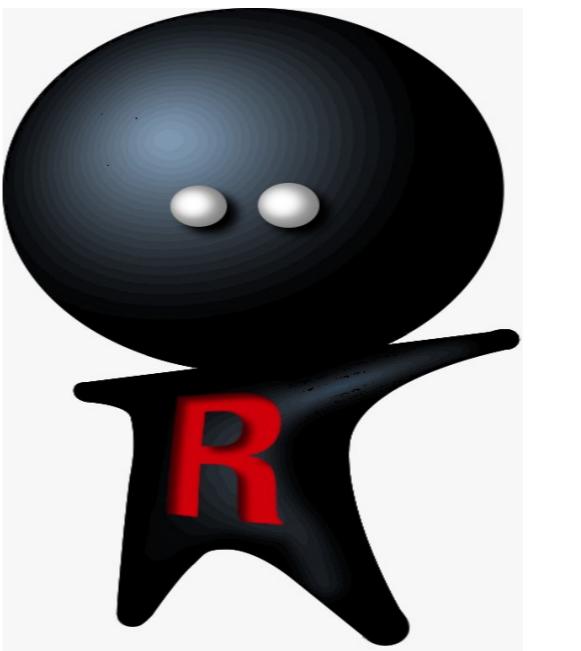
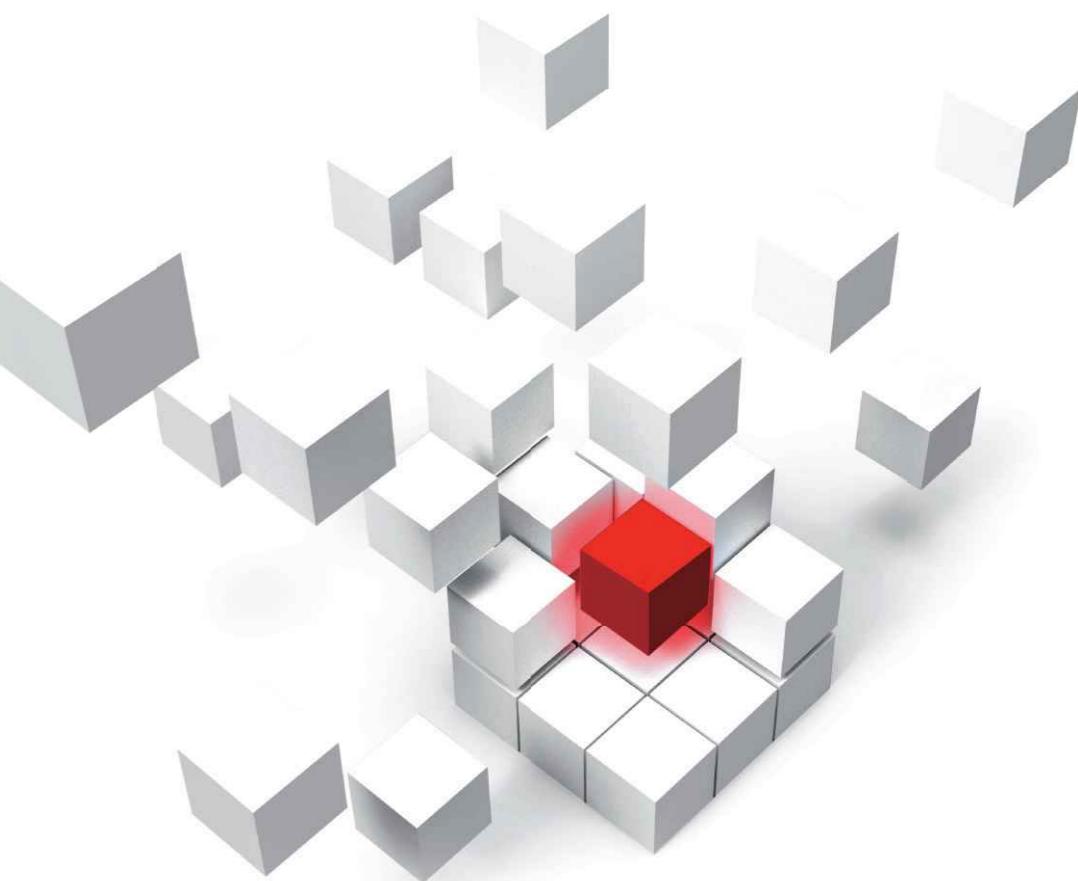


ROYO MACHINERY

WINE BOX WOODEN BOX FILE FOLDERRIGID BOX HARD COVER CALENDAR



Provide the complete solution of making rigid box





Rigid Box



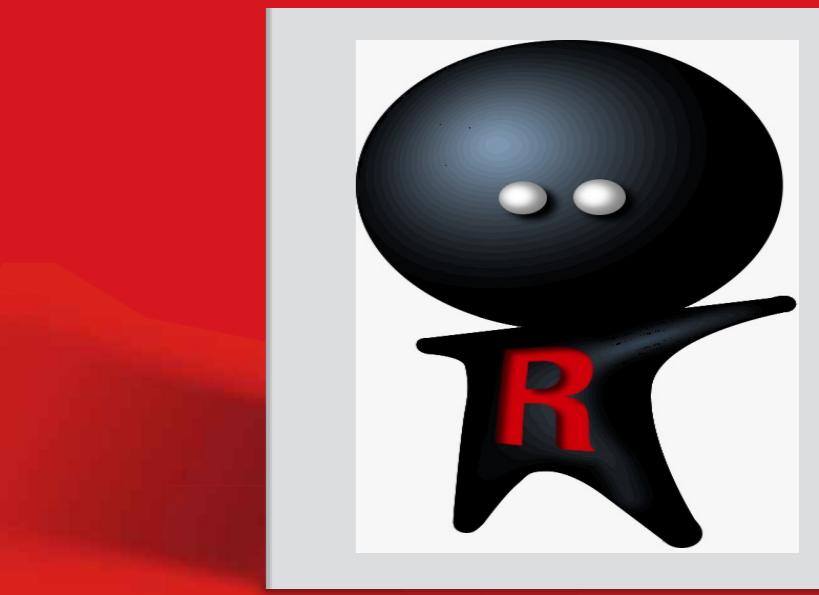
File Folder



Hard Cover

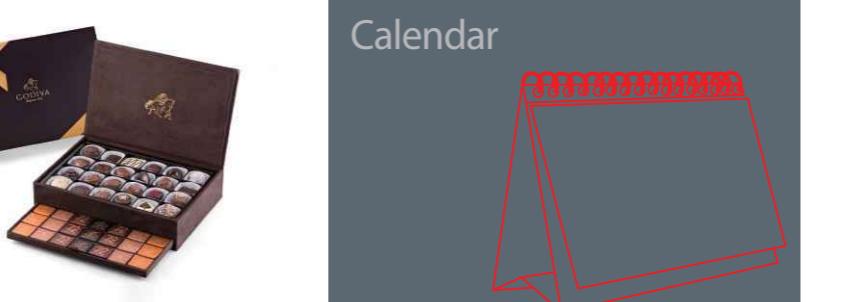
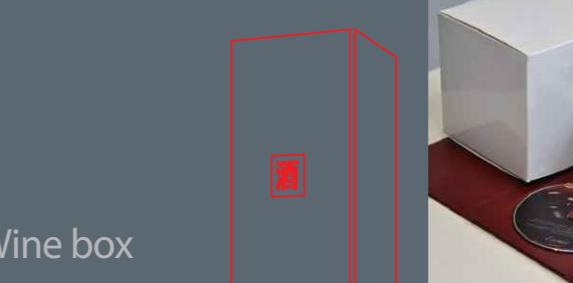
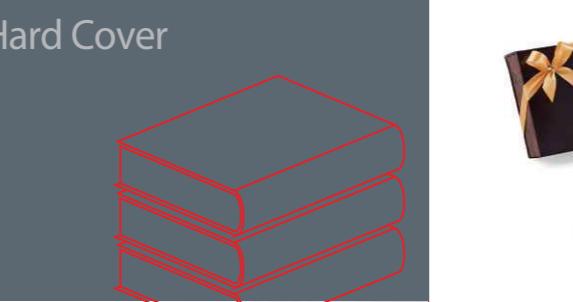
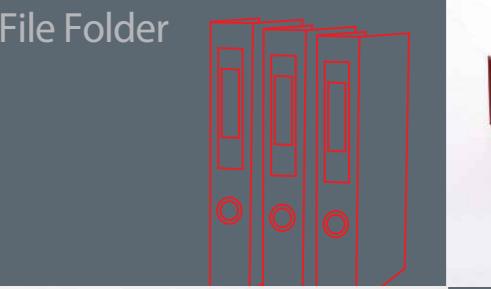


Calendar



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MOELLER

WEINVIEW

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Schneider
ELECTRIC

ABB

YAMAHA

NITTA

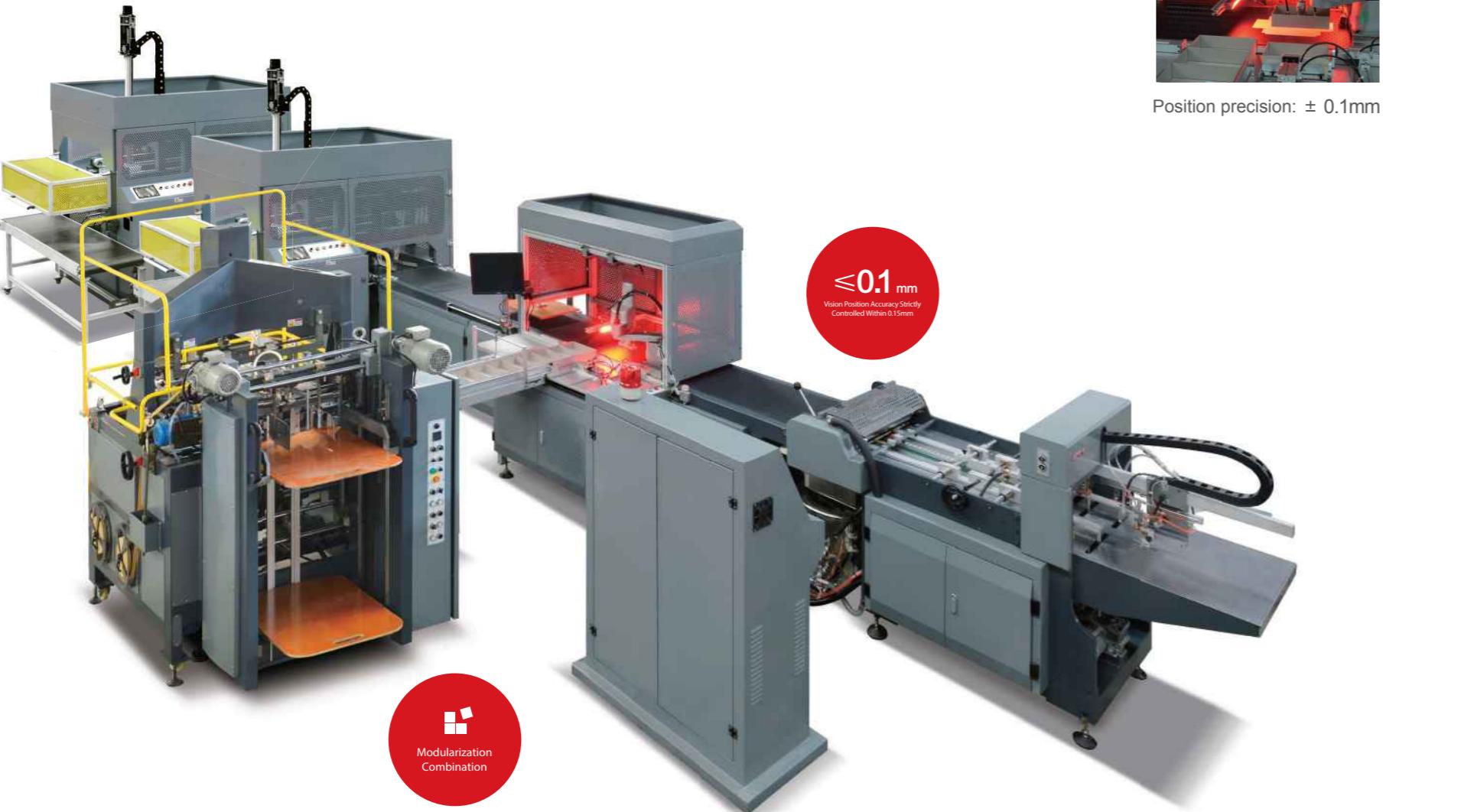
SMC

FUJI ELECTRIC

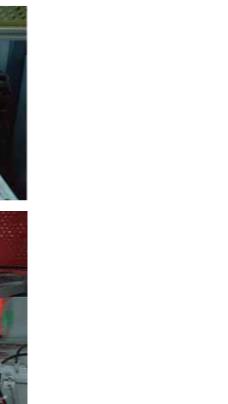
SIEMENS

SJ 420YS

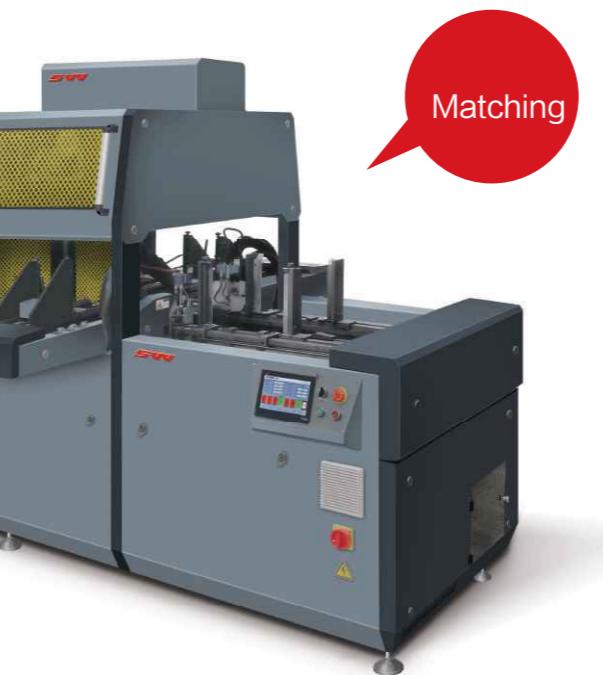
AUTOMATIC RIGID BOX MAKING MACHINE



Modularized product can maintain the versatility of the product and provide a variety of configuration at the same time in design and production, giving to customers a great convenience and diversity of choice.

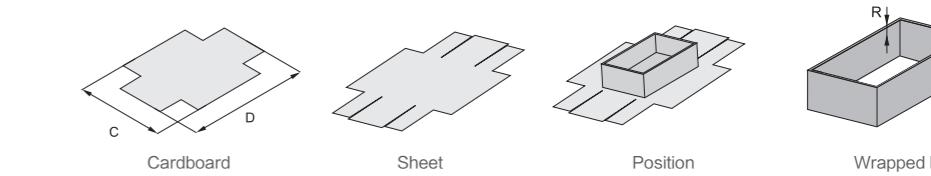


Position precision: $\pm 0.1\text{mm}$



Brief description: This machine is mainly used for producing boutique boxes with high requirements, like high grade boxes for iPhone, iPad, Jewelry gift, makeup, etc. It can work with Rigid Box Molding & Folding Machine according to requirement of the boxes.

1. Adopts paper feeding principle same with automatic rigid box maker, with stable performance.
2. Adopts YAMAHA robot, can automatically fetch the rough box to the required position accurately.
3. Adopts visual positioning system, the positioning accuracy is $\leq \pm 0.15\text{mm}$.



Main Technical parameter

Model	SJ 420Y	SJ 420YS
Paper Size(A × B)	200–830mm	200–830mm
Paper Thickness	120–480mm	120–480mm
Cardboard Thickness	80–300g	80–300g
Box Size(W × L × H)	420 × 320 × 125mm 100 × 50 × 15mm	420 × 320 × 125mm 100 × 50 × 15mm
Position precision	$\leq 0.1\text{mm}$	$\leq 0.1\text{mm}$
Edge Folding Depth	Rmin 20mm Rmax 100mm	Rmin 20mm Rmax 100mm
Production Speed	0–18 boxes/min	0–35 boxes/min
Heater Power	13kw	13kw
Power	4.5kw	4.5kw
Machine Dimensions	7300 × 2900 × 3300mm	9300 × 2900 × 3300mm
Machine weight	3000kg	3500kg

S 460Y

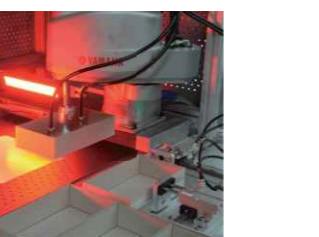
AUTOMATIC RIGID BOX MAKING MACHINE

Generation models promote the management change of new



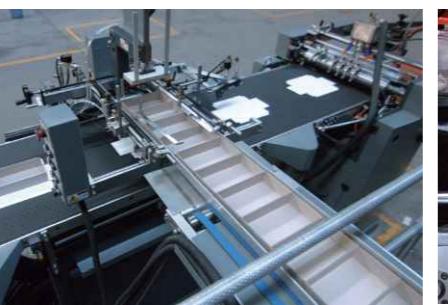
S 240YS

S 240YS



Position precision: 0.1mm

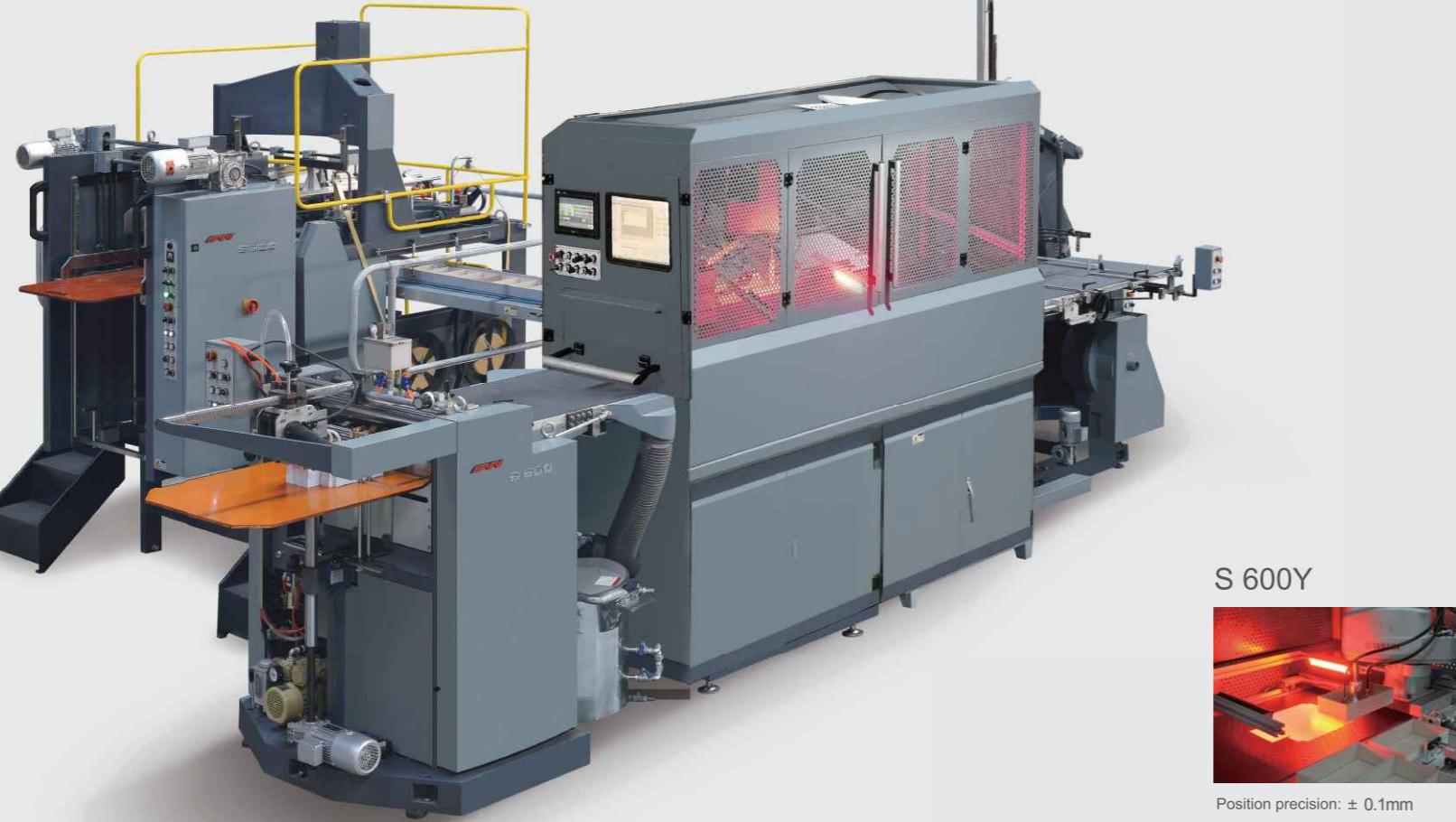
1. Hot Melt automatic cycle, mixing, automatic viscosity-control series
2. The glue coating is evenly, thickness adopt mechanical tuning mechanism
3. Automatic correction using photoelectric hydraulic pneumatic mechanism, enables improved precision
4. Automatic collect box forming part adopt Guide rod, improved the precision.
5. Forming and folding mechanism adopts mechanical and electrical pneumatic to solve the whole folding ear, middle folding ear.
6. Forming and folding mechanism adopt mechanical and pneumatic together to achieve full fold in to the high-end 100mm
7. After box forming, changing the mechanical mechanism to achieve twice bubble pressing.



S600Y

AUTOMATIC
RIGID BOX
MAKING MACHINE

And It Help To Enhance The Productivity Efficiency by Testing
The Device Performance From Different Ways.

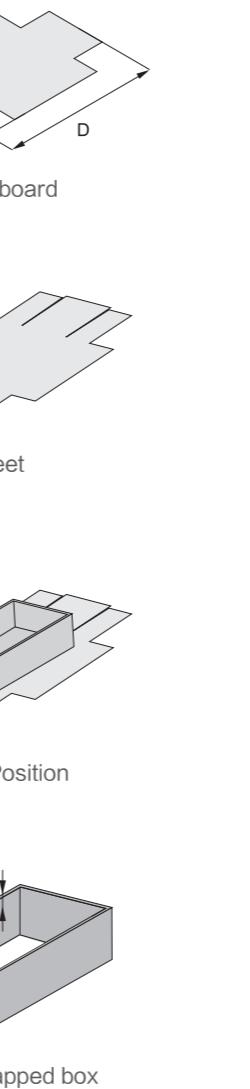
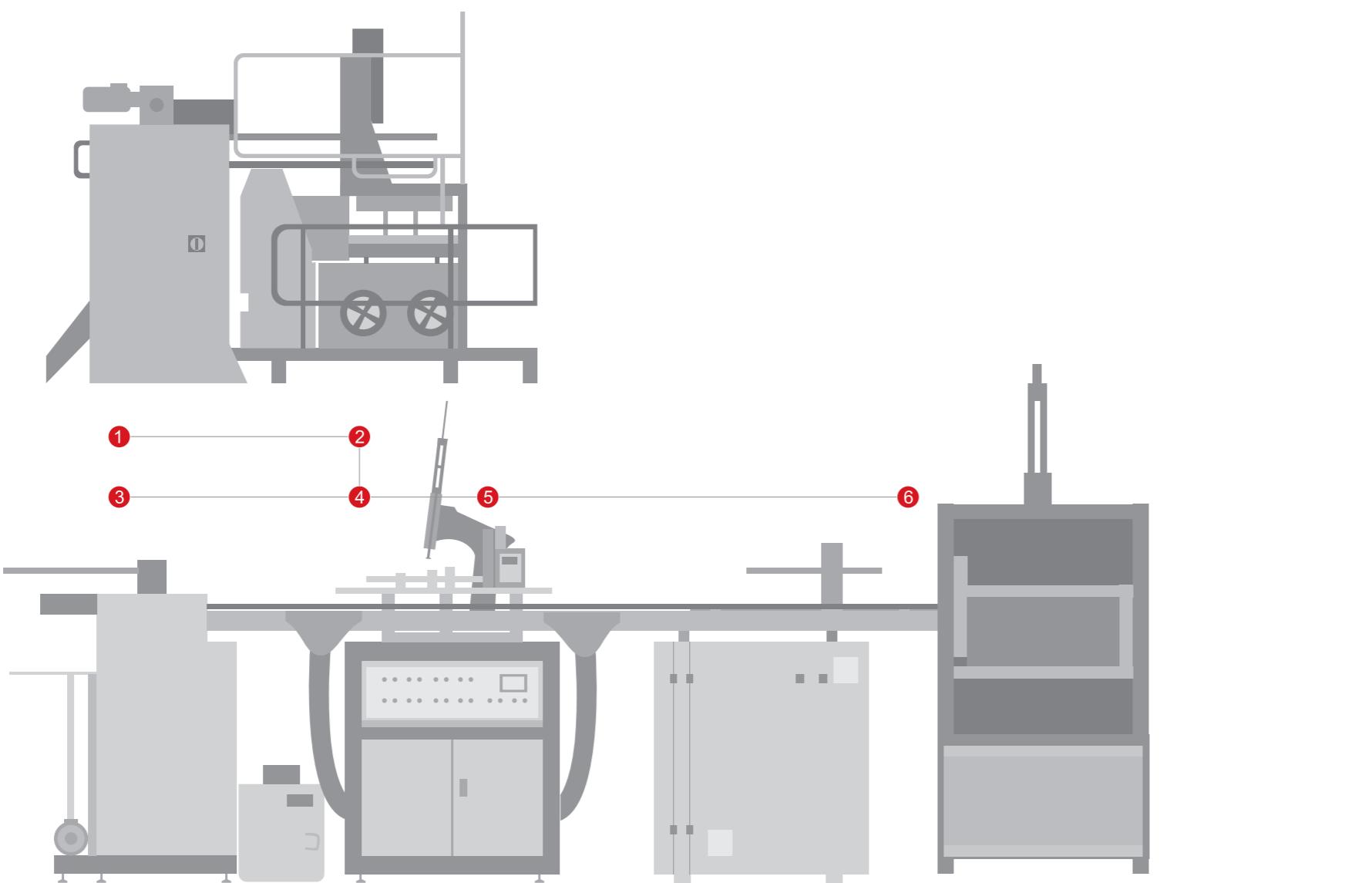
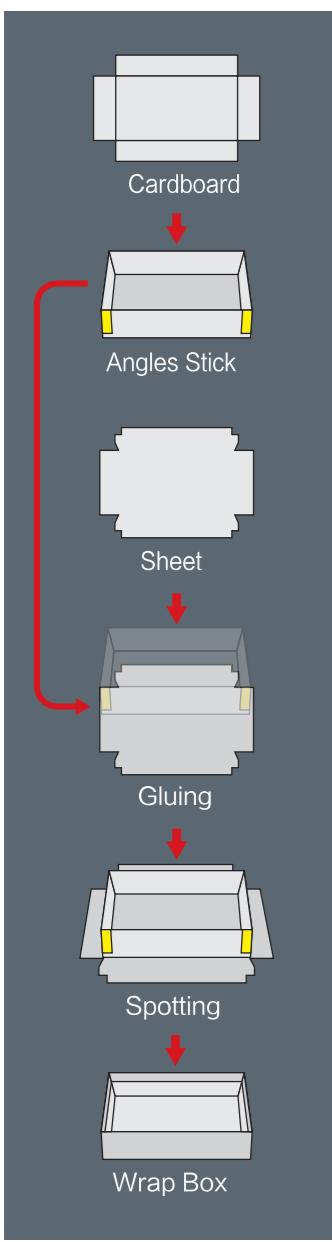


FULLY AUTOMATIC PRODUCTION ENHANCES WORKING EFFICIENCY.



S600 Fully automatic rigid box making machine is the best equipment to make top grade rigid box. Reasonable design and credible performance. It consists of feeder part, corner pasting part, gluing part, positioning part and wrapping part. The machine adopts advanced programmable logic controller, photoelectric tracking system, accurate hydraulic pneumatic deviation correcting system, and convenient touch screen human machine interface (Chinese and English operating panel), etc. to achieve a utomatic cardboard and paper delivery, four corners pasting, paper gluing, auto conveyance, positioning, pressing, automatic box drawing and catching, wrapping and all the work done consecutively just in one time to achieve high speed production. It achieves fully automatic production via on-line operation of machinery, hydraulic, pneumatic and electronics systems, and so on. Increased production efficiency many times, innovated the conventional rigid paper box production, more than 30 times production efficiency was improved compared with traditional technology. This machine is widely used to making shoes box, shirt box, jewelry box, gift box, and other luxurious paper boxes.

The Production Process



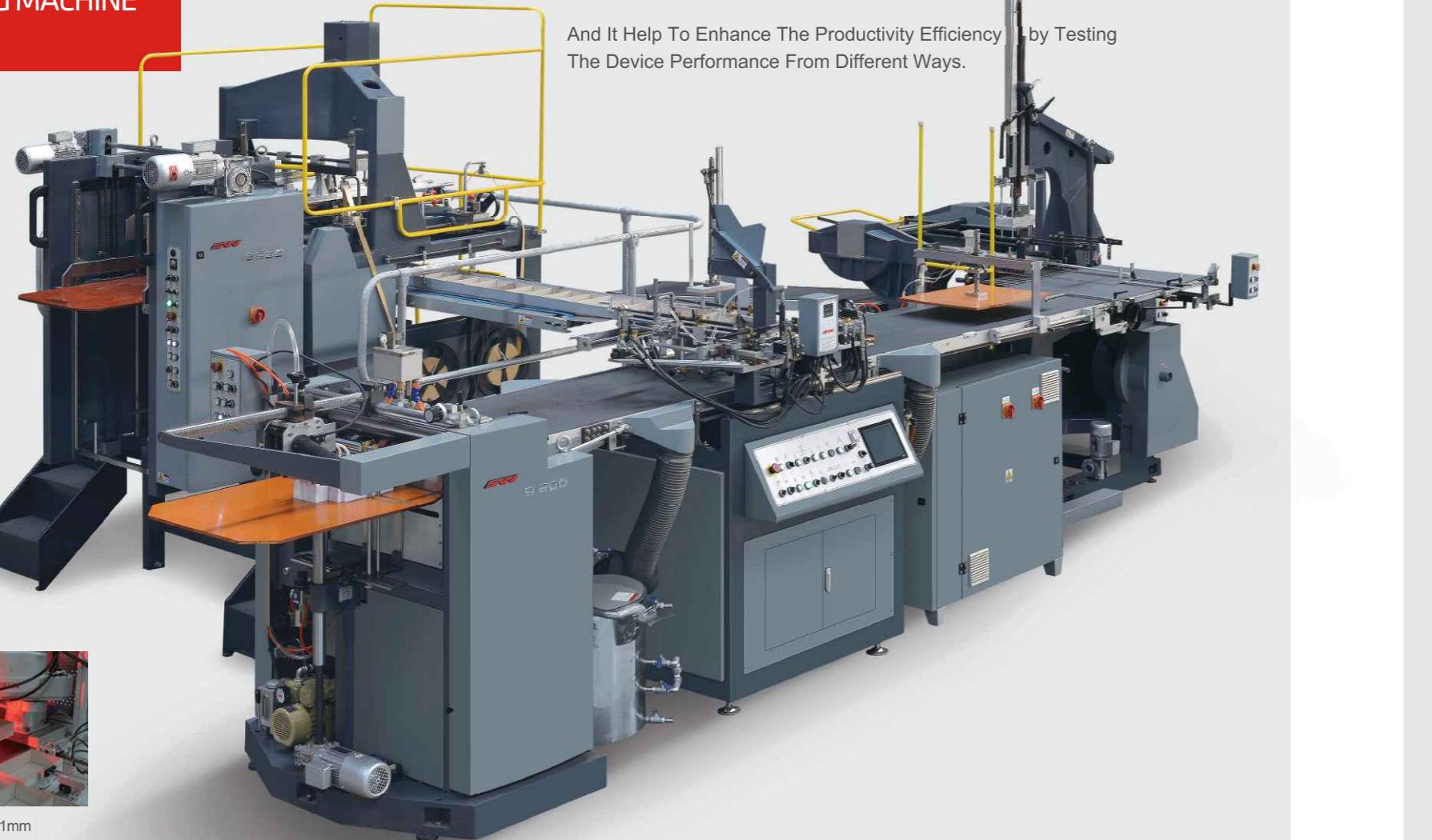
Parameters	S 460Y	S 240YS	S 600Y
Paper Size (A×B)	Min 95×180mm Max 610×850mm		
Cardboard Size (C×D)	600×800mm		
Paper Thickness	100-300g/m ²		
Cardboard Thickness	T 0.8-3mm		
Box Size (W×L×H)	Min 60×100×15mm Max 420×320×125mm	Min 60×100×15mm Max 240×320×125mm	Min 60×100×15mm Max 500×400×125mm
Edge Folding Depth	Rmin 7mm Rmax 90mm	Rmin 7mm Rmax 35mm	Rmin 7mm Rmax 35mm
The size of folding ear	Rmin 10mm Rmax 125mm	Rmin 10mm Rmax 125mm	Rmin 10mm Rmax 125mm
Positioning Precision	± 0.1mm	± 0.1mm	± 0.1mm
Production Speed	≤18 boxes/min	≤30 boxes/min	≤35 boxes/min
Paper Pile Height	300mm		
Cardboard Pile Height	1000mm		
Power	18KW/380v/3phase		
Glue Barrel Capacity	60L		
Air Supply	12L/min0.6Mpa		
Machine weight	6800kg		
Machine Dimensions	L6600×W5800×H3250mm		

Remark:

- 1.The max and min size of the boxes are affect by those size of material and quality of material.
- 2.The detail production speed of this machine depend on several factors: raw materials, glue and the operator's skill.
- 3.The width and height of the box cannot be maximized simultaneously.

S600

AUTOMATIC RIGID BOX MAKING MACHINE



And It Help To Enhance The Productivity Efficiency by Testing The Device Performance From Different Ways.

FULLY AUTOMATIC PRODUCTION ENHANCES WORKING EFFICIENCY.



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S600A

AUTOMATIC
RIGID BOX
MAKING MACHINE



All actions from the clients'
point of view



1

Feeder part: Feeder to achieve automatic delivery for wrap paper and cardboard, precision to suction one sheet per time, keep them no deviation during delivery.



2

Gluer part: Hot-melting glue system to automatic heating, circulation, mix the glue and precision to control the viscosity of glue, can also automatic wash up gluing tank after finish glue work.



3

Quad stayer: Quad stayer to automatic folding cardboard and sticking its four corners by hot melt glue tape, then delivery it to named place of conveying belt.



4

Spotter part: The hydraulic pneumatic spotter device combine with precision photoelectric detecting switch can correct and keep right positioning the stucked cardboard box on glued wrap paper.

S600

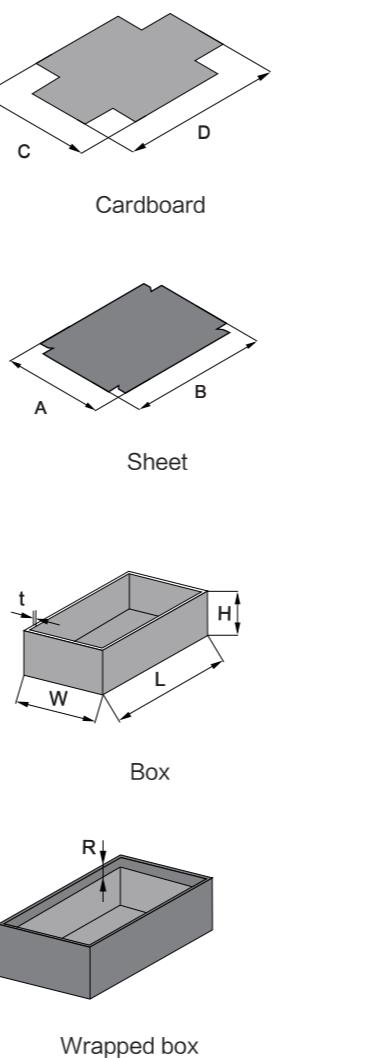
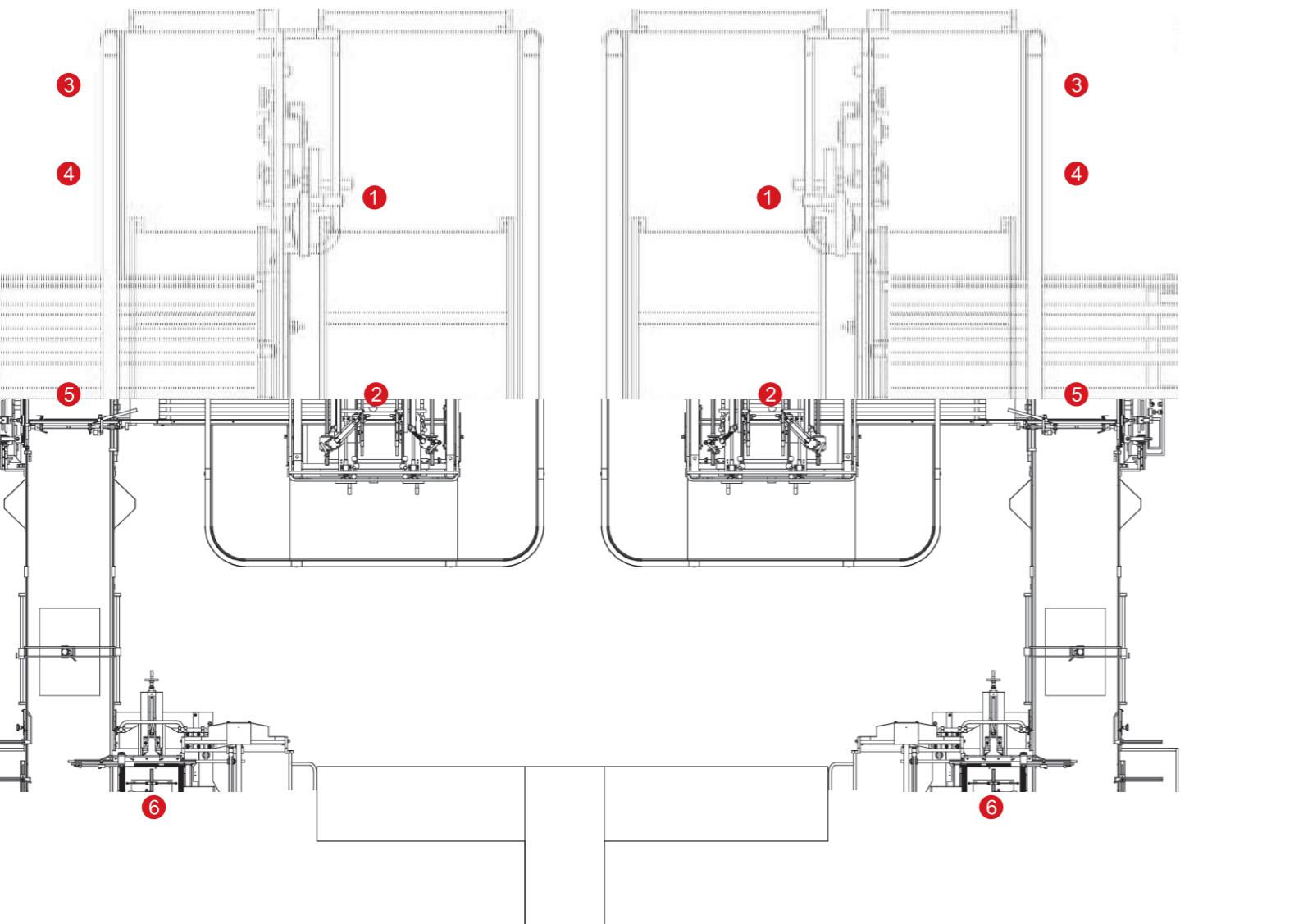
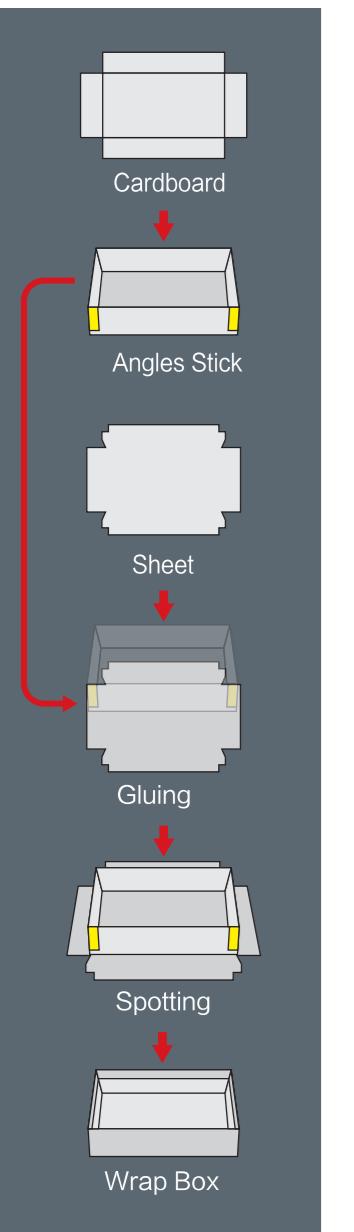
A

Forming and folding mechanism adopts mechanical and electrical pneumatic to solve the whole folding ear, middle folding ear.

B

Forming and folding mechanism adopts mechanical and pneumatic together to achieve full fold into the high-end 60mm

The Production Process

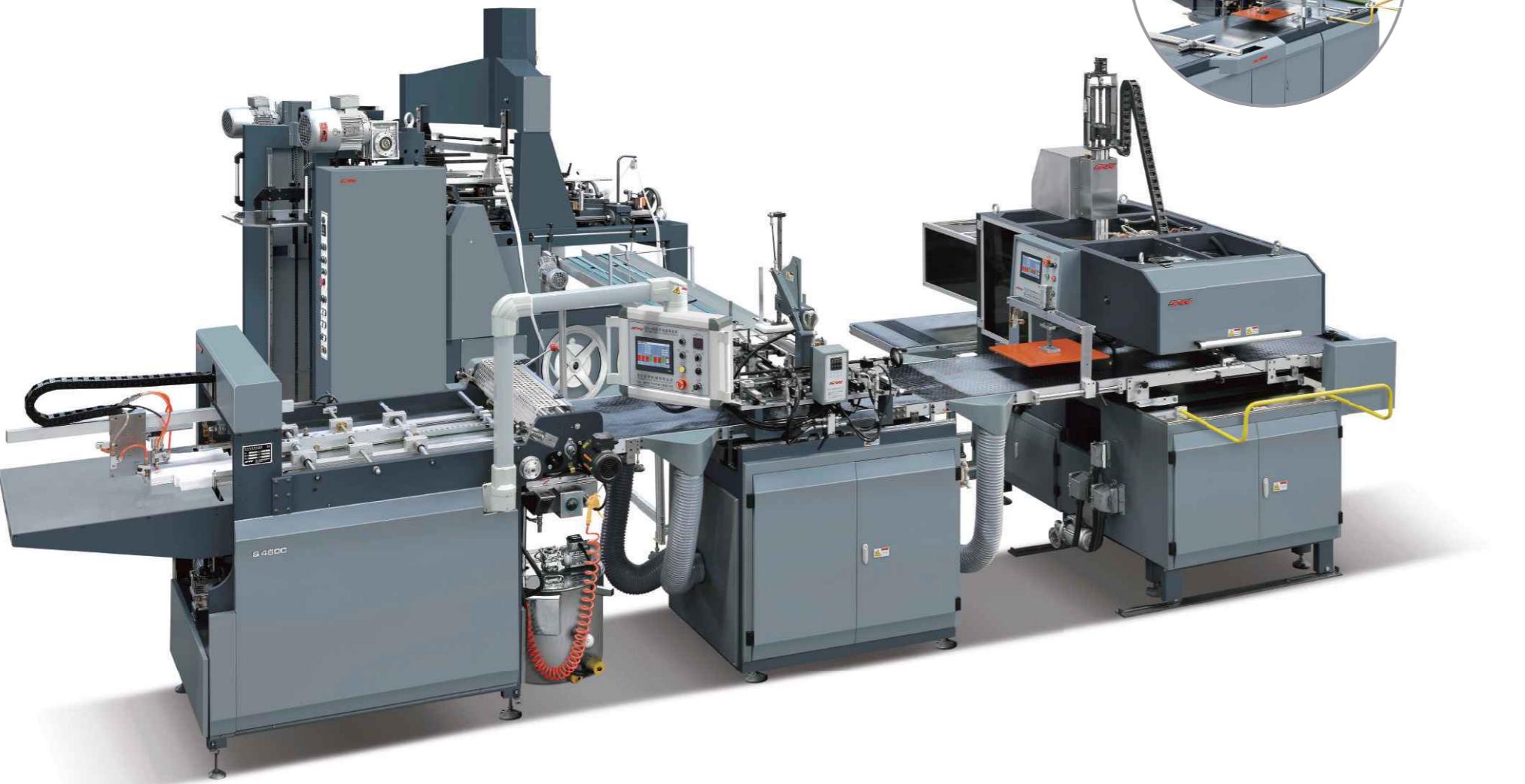


$$\begin{aligned}
 W+2H-4T &= C(\text{Max.}) \\
 L+2H-4T &= D(\text{Max.}) \\
 A(\text{Min.}) &\leq W+2H+2T+2R \leq A(\text{Max.}) \\
 B(\text{Min.}) &\leq L+2H+2T+2R \leq B(\text{Max.})
 \end{aligned}$$

Remark:

1. The max and min size of the boxes are affect by those size of material and quality of material.
2. The detail production speed of this machine depend on several factors: raw materials, glue and the operator's skill.

Parameters	S 600	S 600A
Paper wrap size (A × B)	A _{min} 95mm A _{max} 610mm B _{min} 180mm B _{max} 850mm	
Cardboard size (C × D)	C 600mm D 800mm	
Paper wrap thickness	100-200g/m ²	
Cardboard thickness T	0.8-3mm	
W _{min}	50mm	7mm
W _{max}	400mm	7mm
L _{min}	100mm	60mm
L _{max}	600mm	
H _{min}	15mm	
H _{max}	150mm	
R _{min}	7mm	7mm
R _{max}	35mm	60mm
R _{min}	10mm	
R _{max}	125mm	
Position precision	± 0.5mm	
Production speed	≤ 35 sheets/min	
Paper pile height	300mm	
Cardboard pile height	1000mm	
Electrical power	16KW/380v/3phase	
Glue tank capacity	60L	
Air consumption	12L/min 0.6Mpa	
Machine weight	6800kg	
Machine dimension	L6600×W4100×H3250mm	



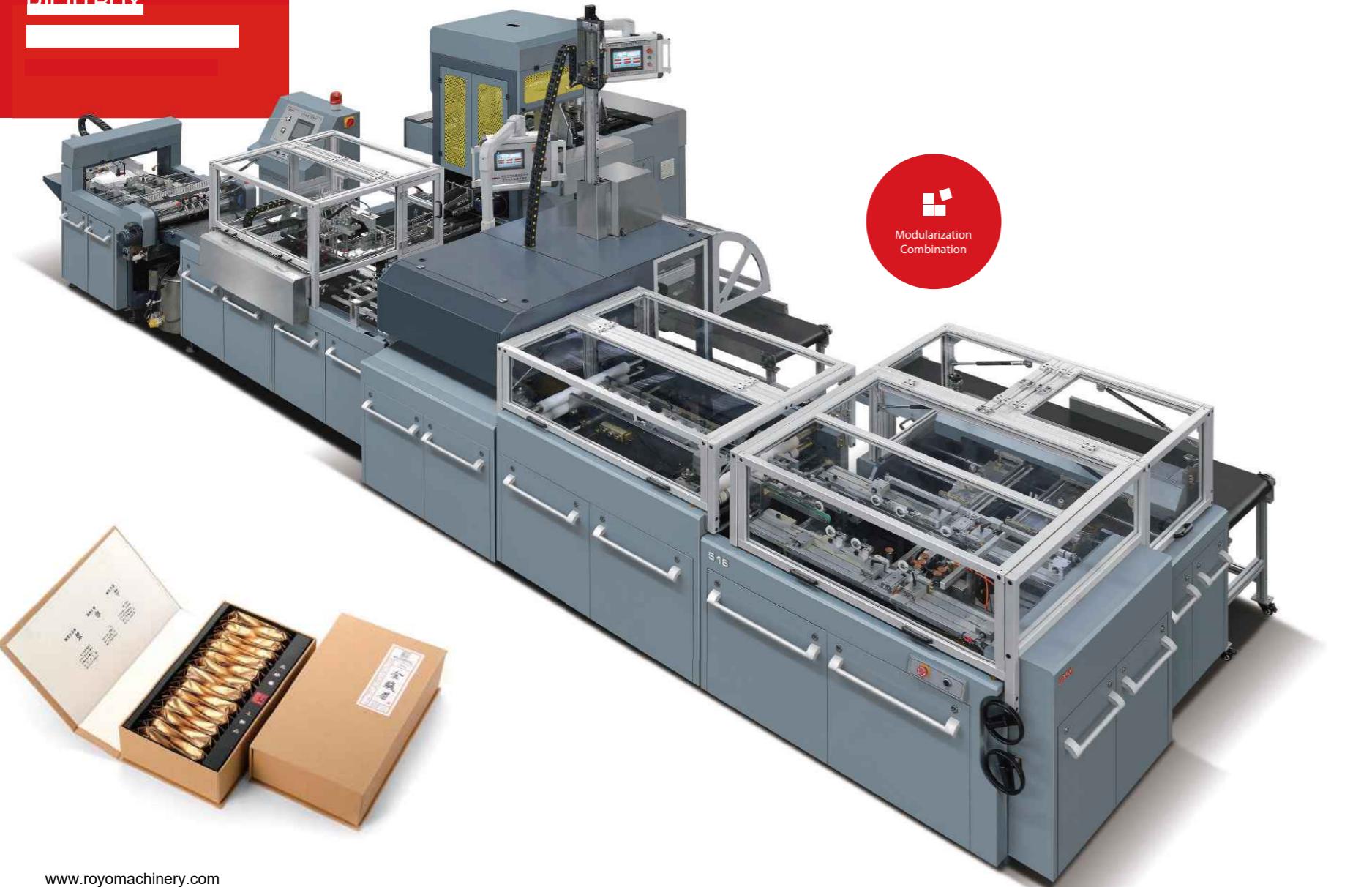
1. The feeder in this machine adopts back-push feeding system, which is controlled pneumatically, and its structure is simple and reasonable.
2. The width between stacker and feeding table is adjusted concentrically in the center. The operation is very easy without tolerance.
3. Adopt imported ultrasonic double paper tester, featuring in simple operation, which can keep two pieces paper from entering into the machine at the same time.
4. Automatic circulation, mixing and gluing system for hot-melting glue. (Optional device: glue viscosity meter).
5. Hot-melting paper tape automatic conveying, cutting, and finish pasting the inner box quad stayer (four angles) of cardboard in one process.
6. The vacuum suction fan under the conveyer belt can keep the paper from deviating.
7. The paper and cardboard inner box employs hydraulic rectifying device to spot correctly.
8. The wrapper can continually wrap, fold ears and paper sides and form in one process.
9. The whole machine employs PLC, photoelectric tracking system and HMI to automatically forming boxes in one process.
10. It can automatically diagnose the troubles and alarm accordingly.

Parameters	S 460C	S 460
Paper wrap size (A×B)	Amin 95mm Amax 610mm Bmin 180mm Bmax 850mm	
Cardboard size (C×D)	C 600mm D 800mm	
Paper wrap thickness	100-200g/m ²	
Cardboard thickness	T 0.8-3mm	
Finished box size(W×L×H)	min 100×50×15mm max 420×320×120mm	
Turn in depth	Rmin 10mm Rmax 100mm	10mm 30mm
Turn in depth	Rmin 10mm Rmax 125mm	
Position precision	± 0.3mm	
Production speed	≤20 sheets/min	
Paper pile height	300mm	
Cardboard pile height	1000mm	
Electrical power	10KW/380v/3phase	
Air consumption	10L/min0.6Mpa	
Machine weight	4500kg	
Machine dimension	L6800×W4100×H2800mm	

Remark:
 1. The max and mini sizes of the boxes are subjected to those of the paper and the quality of the paper.
 2. The production capacity is 20 boxes per minute. But the speed of the machine depends on the sizes of the boxes.
 3. We don't provide air compressor.
 4. The width and height of the box cannot be maximized simultaneously

S 16

FULLY AUTOMATIC MULTIFUNCTION RIGID BOX



The word's first, the invention patent
Molding hardcover and rigid box in one
adopt various of top technology to meet high quality requirement

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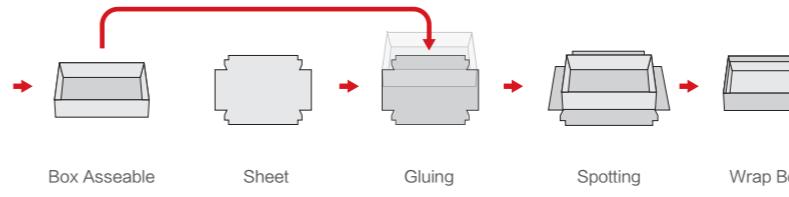
19 /



Combined craft flow line



Gluing Fixed Position Wrapping Two Sides Nip angle Wrapping other two sides



Cardboard Box Asseable Sheet Gluing Spotting Wrap Box

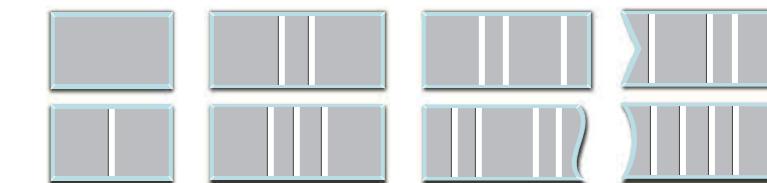
It adopts high speed automatic paper feeding system, which is controlled pneumatically, and its structures simple and reasonable.

New designed copper scraper cooperates with the rubber more compactly, effectively avoiding paper winding. And the copper scraper is more durable

Paper feeding and positioning system adopt imported high precise photoelectric control device to make the paper and cardboard location more accurate.

It adopts PLC control, featuring in simple operation. The troubles are displayed directly on the HMI, which helps the operator easily remove them

Product sample drawing



Remark: do not illustrate other samples, the machine can have different size of each product

Model	S 16 拼板部分		S 16 成型部分	
Box size	Max	Min	Max	Min
L	420mm	100mm	420mm	100mm
W	320mm	100mm	320mm	60mm
H	200mm	20mm	150mm	20mm
Paper wrap thickness	80-200g			
Cardboard thickness	1.5-3mm		1.5-3mm	
Fold ear depth	125mm			
Position precision	± 0.3mm	± 0.1mm(S16Y)	± 0.3mm	± 0.1mm(S16Y)
Production speed	≤20 sheets/min		≤20 sheets/min	

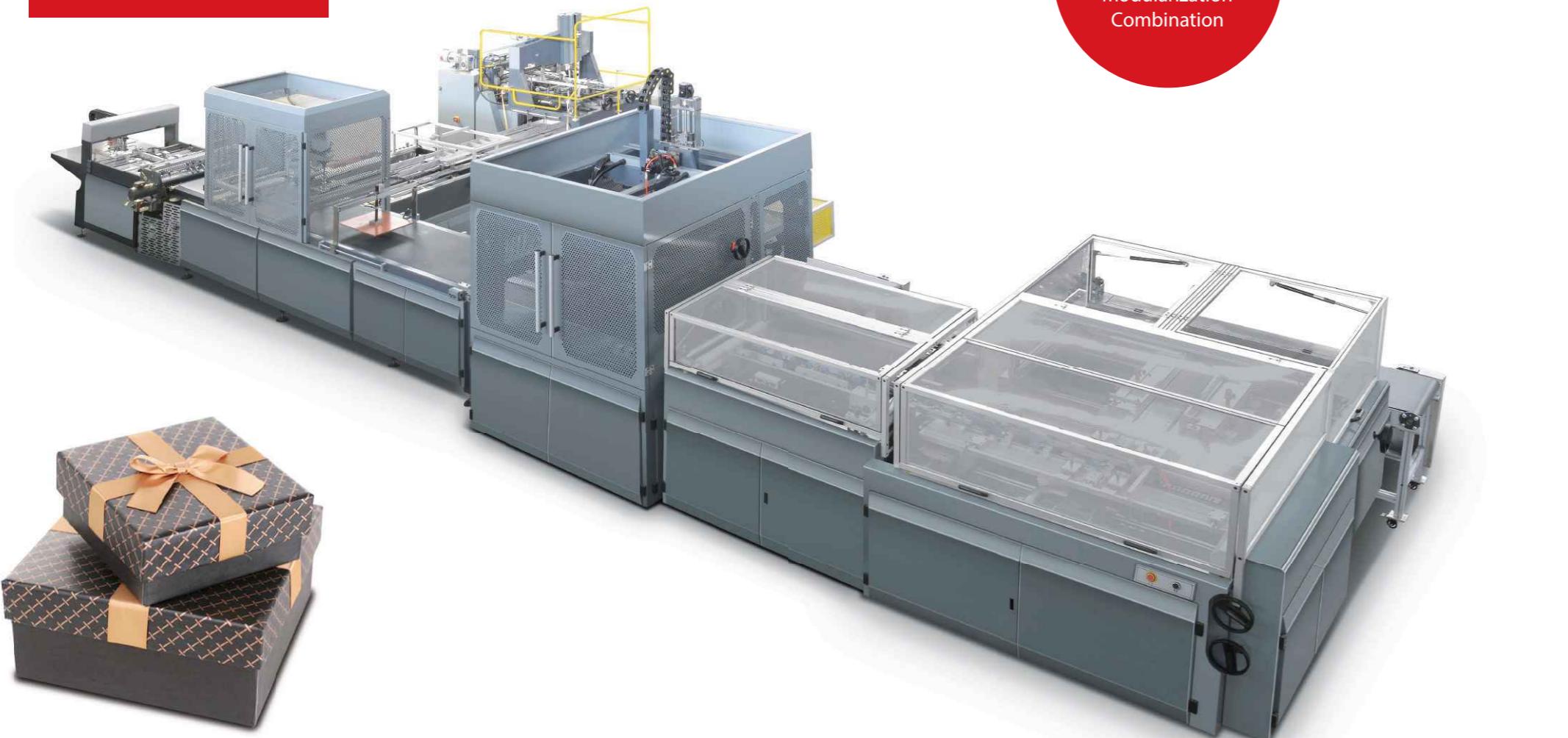
Model	S 16 皮壳部分
Length of paper	190-830mm
Width of paper	130-460mm
Thickness of paper	80-200g/m ²
Thickness of cardboard	1-3mm
Min width of spine	10mm
Speed	0-30pcs/min
Power	24kw
Weight	5000kgs
Dimension	10000×14000×12500mm

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S 18Y

FULLY AUTOMATIC
MULTIFUNCTION
RIGID BOX
MAKING MACHINE



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Combined craft flow line	
Gluing	→
Fixed Position	→
Wrapping Two Sides	→
Nip angle	→
Wrapping other two sides	→
Cardboard	→
Box Asseable	→
Sheet	→
Gluing	→
Spotting	→
Wrap Box	→

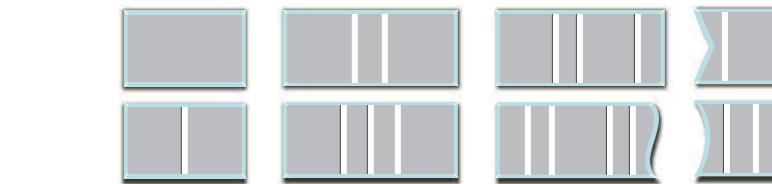
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It adopts PLC control, featuring in simple operation. The troubles are displayed directly on the HMI, which helps the operator easily remove them

Product sample drawing



Remark: do not illustrate other samples, the machine can have different size of each product

S 18成型部分	
Box size	Max Min
	420mm 100mm
	320mm 50mm
	150mm 15mm
Paper wrap thickness	80~200g
Cardboard thickness	1.5~3mm
Fold ear depth	125mm
Position precision	100mm 20mm
Edge Folding Depth	± 0.3mm ± 0.1mm(S18Y)
Production speed	≤20 sheets/min

S 18 皮壳部分	
Length of paper	190~1030mm
Width of paper	130~600mm
Thickness of paper	80~200g/m ²
Thickness of cardboard	1~3mm
Min width of spine	8mm
Speed	0~30pcs/min
Power	13kw
Weight	4000kg
Dimension	L11000 × W5000 × H2800mm

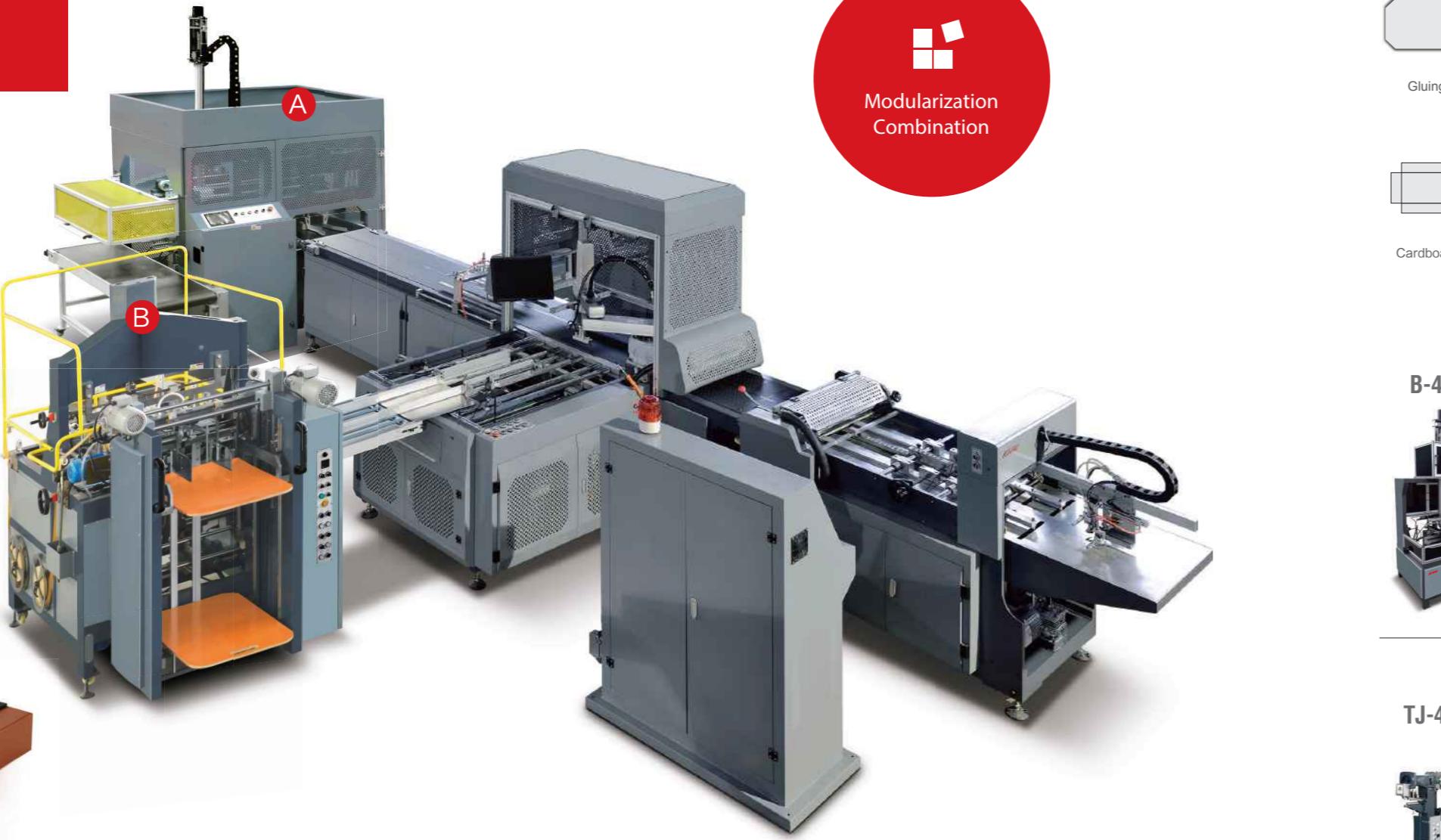
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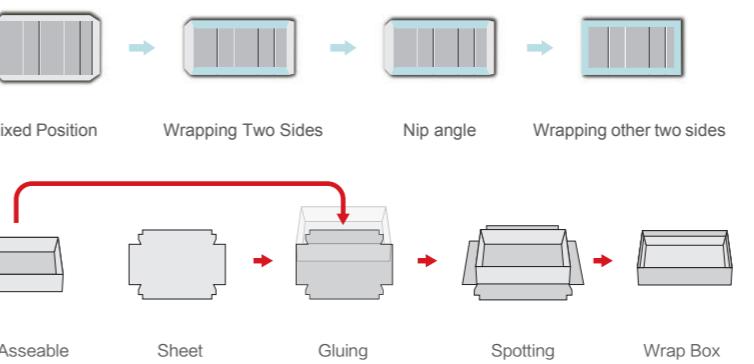
Intelligent manufacturing module combination



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Combined craft flow line



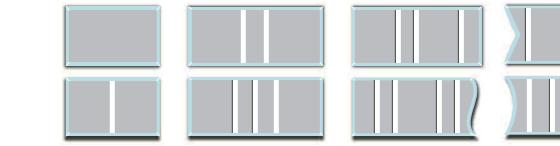
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Product sample drawing



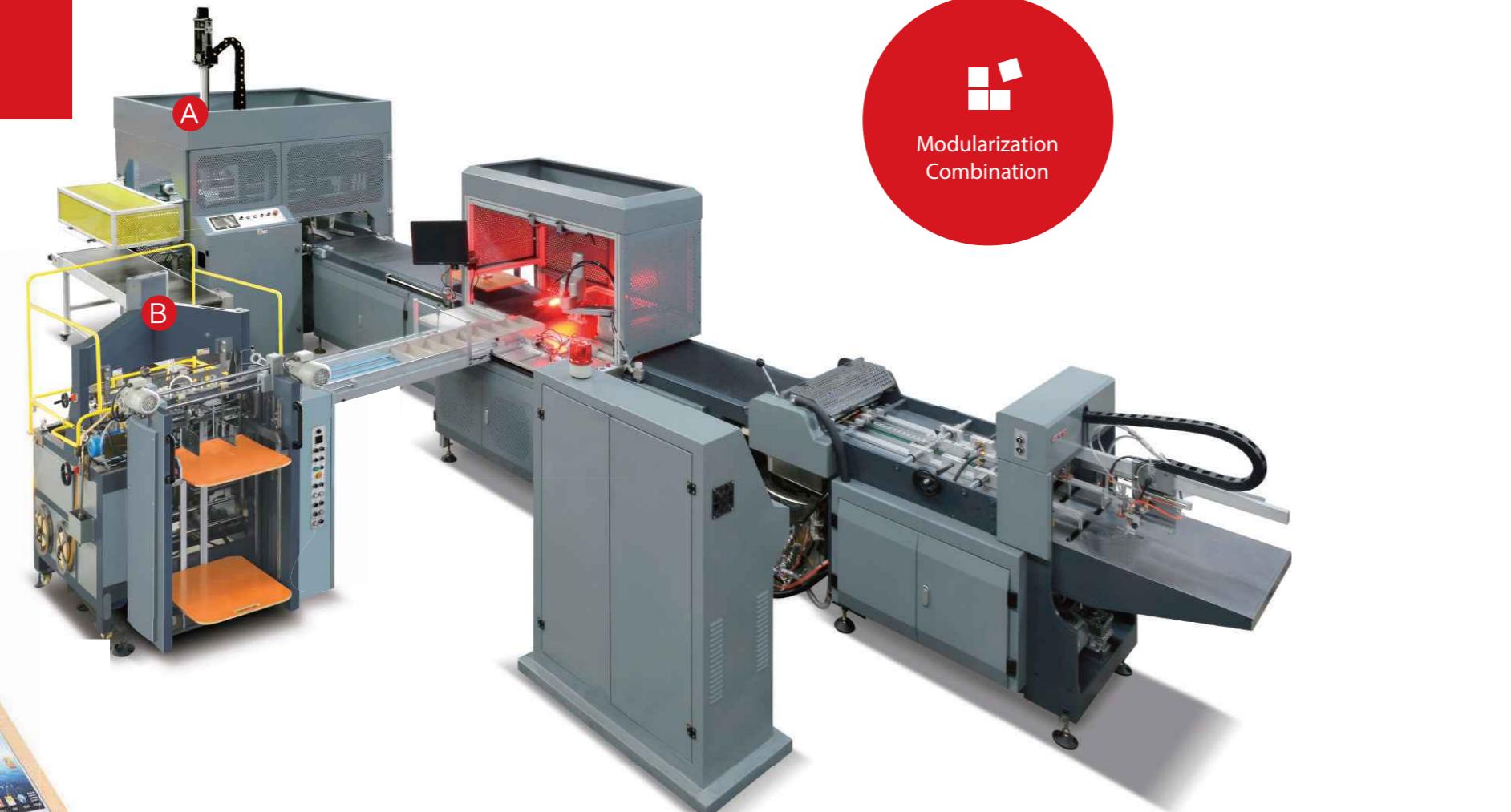
Remark: do not illustrate other samples, the machine can have different size of each product

Model	SJ 460YT	SJ 600YT
Length of paper	190~800mm	190~1000mm
Width of paper	130~460mm	130~630mm
Thickness of paper	80~200g/m ²	80~200g/m ²
Thickness of cardboard	1~3mm	1~3mm
Min width of spine	10mm	10mm
Box Size(W × L × H)	420×320×150mm	400×600×150mm
	100×50×15mm	100×50×15mm
Position precision	≤0.1mm	≤0.1mm
Production Speed	0~30 boxes/min	0~30 boxes/min
Power	9kw	10kw
Weight	3500kgs	4000kgs
Dimension	L6600×W2200×H1800mm	L7200×W2500×H1800mm

Remark: For the specific parameters of the selected models in Zone A/B, please refer to the stand-alone parameter list.

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Intelligent manufacturing module combination

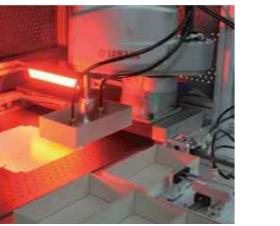


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Modularization Combination

Intelligent manufacturing module combination



Position precision: $\pm 0.1\text{mm}$



Brief description This machine is mainly used for producing boutique boxes with high requirements, like high grade boxes for iPhone, iPad, Jewelry gift, makeup, etc. It can work with Rigid Box Molding & Folding Machine according to requirement of the boxes.

1. Adopts paper feeding principle same with automatic rigid box maker, with stable performance.
2. Adopts YAMAHA robot, can automatically fetch the rough box to the required position accurately.
3. Adopts visual positioning system, the positioning accuracy is $\leq \pm 0.1\text{mm}$.

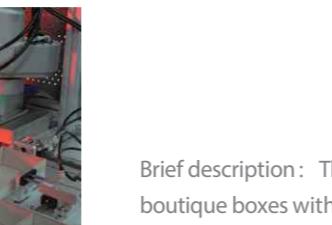
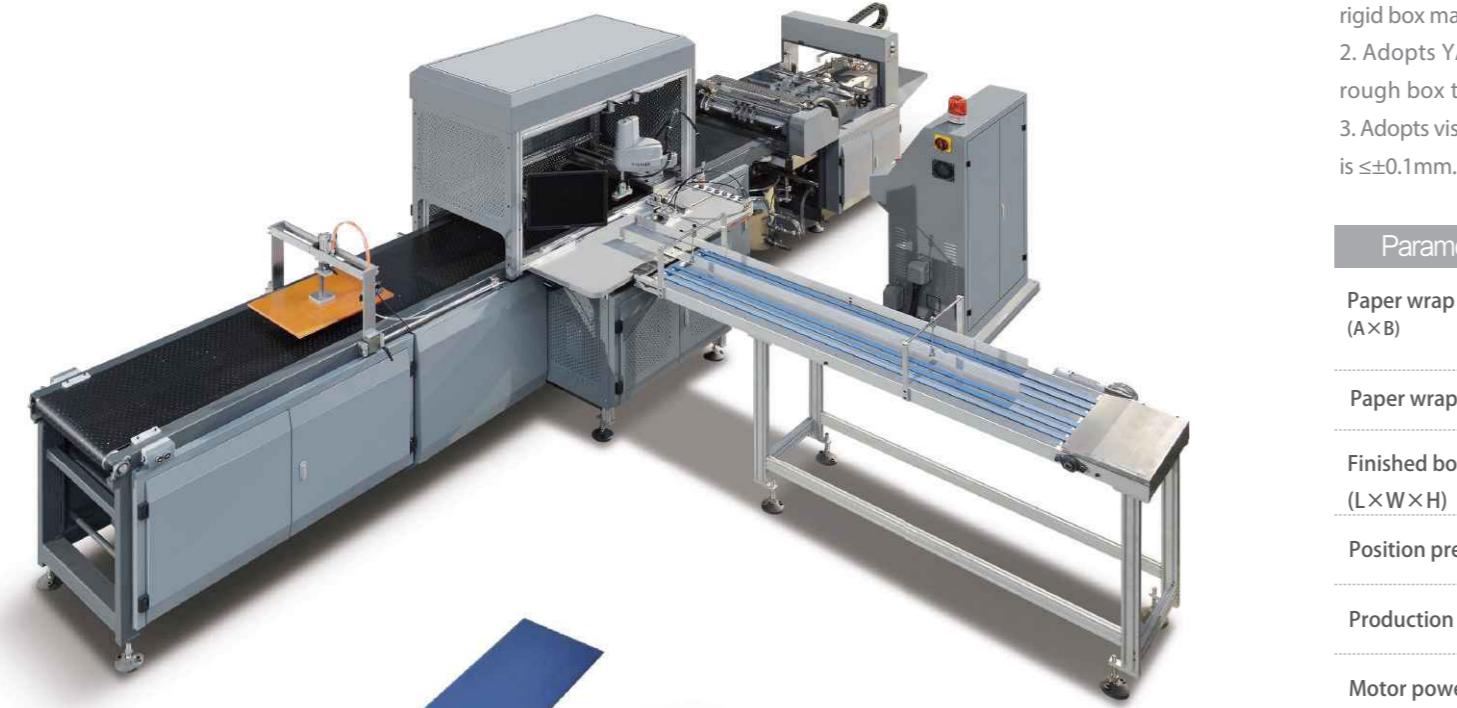
Parameters	S 460Y	S 600Y
Paper wrap size (A×B)	Amin 100mm Amax 460mm Bmin 190mm Bmax 830mm	Amin 100mm Amax 600mm Bmin 190mm Bmax 1030mm
Paper wrap thickness	100-200g/m ²	
Finished box size (L×W×H)	Max 320 min 50 Max 240 min 50 Max 125 min 5	Max 420 min 50 Max 320 min 50 Max 125 min 5
Position precision	$\pm 0.1\text{mm}$	
Production speed	$\leq 30\text{ sheets/min}$	
Motor power	6.65kw	
Heater power	6kw	
Machine weight	1300kg	1500kg
Machine dimension	L7200×W3500×H2100mm	L7600×W3500×H2100mm

Remark: For the specific parameters of the selected models in Zone A/B, please refer to the standard configuration.

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SJ 460Y 600Y

AUTOMATIC
RIGID BOX MAKING
MACHINE



Position precision: $\pm 0.1\text{mm}$

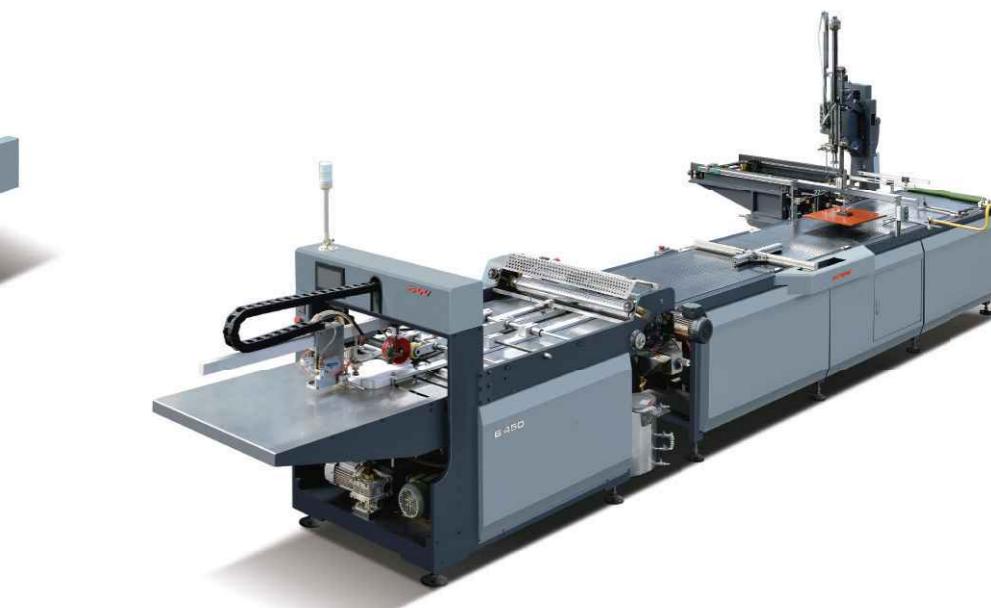
QZW 460/600 Automatic Rigid Box Making Machine

Brief description: This machine is mainly used for producing boutique boxes with high requirements, like high grade boxes for iPhone, iPad, Jewelry gift, makeup, etc. It can work with Rigid Box Molding & Folding Machine according to requirement of the boxes.

1. Adopts paper feeding principle same with automatic rigid box maker, with stable performance.
2. Adopts YAMAHA robot, can automatically fetch the rough box to the required position accurately.
3. Adopts visual positioning system, the positioning accuracy is $\leq \pm 0.1\text{mm}$.

Parameters	S 460Y	S 600Y
Paper wrap size (A×B)	Amin 100mm Amax 460mm Bmin 190mm Bmax 830mm	Amin 100mm Amax 600mm Bmin 190mm Bmax 1030mm
Paper wrap thickness	100-200g/m ²	
Finished box size (L×W×H)	Max 320 min 50 Max 240 min 50 Max 125 min 5	Max 420 min 50 Max 320 min 50 Max 125 min 5
Position precision	$\pm 0.1\text{mm}$	
Production speed	≤ 30 sheets/min	
Motor power	6.65kw	
Heater power	6kw	
Machine weight	1300kg	1500kg
Machine dimension	L7200×W3500×H2100mm	L7600×W3500×H2100mm

Remark: For the specific parameters of the selected models in Zone A/B, please refer to the stand-alone parameter list.



BD 460	BD 450
Paper Size(A×B)	Min 100×200mm Max 580×800mm
Paper wrap thickness	100-200g/m ²
Finished box size(W×L×H)	100×50×15mm 420×320×150mm
Position precision	$\pm 0.1\text{mm}$
Production speed	≤ 30 boxes/min
Motor power	7.5kw
Heater power	6kw
Machine weight	1400kg
Machine dimension	L5700×W3500×H2100mm
Production Speed	10-20 boxes/min
Power	10kw/380v/3phase
Heater Power	7.8kw
Air Supply	10L/min 0.6Mpa
Machine weight	3500kg
Machine Dimensions	L7200×W2100×H3250mm
	L6200×W2000×H2800mm

B 450 Box Wrapper



automatic box wrapping machine is a accessory equipment for making rigid box, gift boxes, packaging boxes. with advantages of small size, easy operation, fast speed cycle. This machine can automatically start to edge fold and forming and wrap of box. The advance PLC and variable frequency can freely control its speed and it equipped with safety devices to ensure fast and safe production. use the electric brushes to make the output rigid boxes more tightly and smoothly.

Maximum Box Size	L420 × W300 × H70mm
Minimum Box Size	L100 × W50 × H10mm
Production Speed	25~35/min
Label Thickness	80~160g/m ²
Cardboard Thickness	0.8~3mm
Weight	1.1T
Total Power	380V/1.5KW/3phase
Machine Size	L1300 × W1000 × H2300mm

B 460 Box Wrapper



B 460A Box Wrapper



QTJ 600 Automatic Box Former

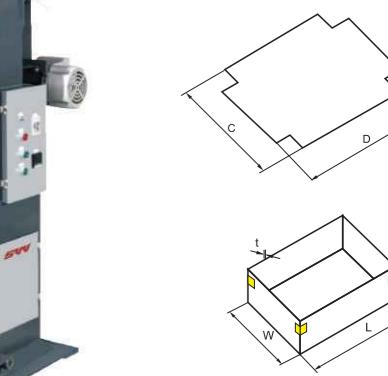


1. It adopts PLC control and friendly HMI.
2. Automatic feeding cardboard, Max. stacking height 1000mm.
3. In order to improve working speed, cardboard table adopt on-line feeding.
4. Easy to change mold, suitable for different sizes of products.
5. The hot-melting glued tape auto conveying, cutting and four-angle sticking, forming the box in one process.
6. The auto alarm when the tape run out.

QTJ 420 Automatic Box Former



TJ 40 Box Corner Pasting Machine



Case Size	(min)40 × 40 × 10mm
Speed	2~40 units/minute
Power	0.4KW
Size of Machine	L800 × W500 × H1400mm
Weight of Machine	200Kg

ZPH 550

AUTOMATIC SPLICING BOARD BOX MAKING MACHINE

①

push plate vertical plate station: the side separated from the stack of paper, will it be 90 degrees vertical plate forming action waiting.

②

control panel: simple interface into the machine, chinese and english free conversion, to the various components independent commissioning, making it easier to the operator

③

spray stations: according to their technology needs of users, try to spray the mold set, counting the spray, spray lines and other modes

④

push scoreboard station: the die-cut or trench bottom, starting with the separation of paper pushing, and then pushed to the forming station

⑤

push scoreboard station: the die-cut or trench bottom, starting with the separation of paper pushing, and then pushed to the forming station



①

Push Scoreboard Station: The Die-cut Or Trench Bottom, Starting With The Separation Of Paper Pushing, and ThenPushed To The Forming Station.

②

Push Plate Vertical Plate Station: The Side Separated From The Stack Of Paper, will It Be 90 Degrees Vertical Plate Forming Action Waiting.

③

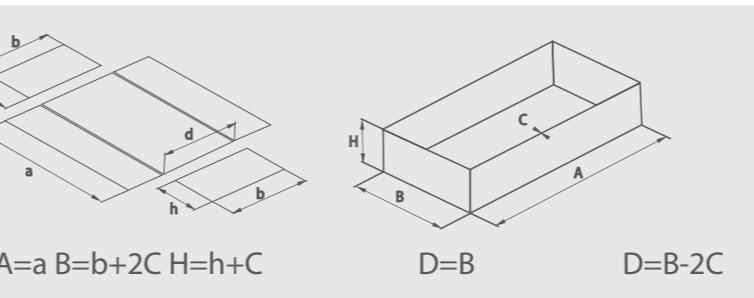
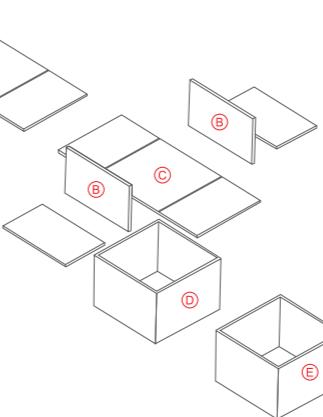
Forming Station: The Bottom And Side Panels In Place A Tray Pushed To The Cavity Molding

④

Forming Station: The Bottom And Side Panels In Place A Tray Pushed To The Cavity Molding

The Production Process

- A Push scoreboard
- B Push plate vertical plate
- C Spray glue positioning
- D Positioning molding
- E Finished the box



Parameters

Finished Box Size	Max	Min
A	350mm	100mm
B	300mm	70mm
H	200mm	20mm
Cardboard Thickness	C	1.5–5mm
Production Precision		20–30/分钟
Glue Tank Capacity		10kg
Air Consumption		300L/min0.8MPa
Electrical Power		7kw/220V
Machine Weight		1200kg
Machine Dimension		2100 × 2300 × 2100mm



QJH 460B

WINE BOX
MAKING MACHINE



The machine adopts automatic paper feeder, gluing, and cardboard automatic rapid accurately positioning and so on it is widely use for all kinds of hardcover wine box.

1, the machine using suction feeder for separate paper and feeding, the whole motion control by servo and pneumatic.

2, the suction device of whole production lines avoid paper bending and bubble.

3, it using the intelligent touch-screen display to operation, ensure the man-machine dialogue more convenient.

4, it adopt the Japanese omron PLC intelligent control system for automatically detect fault and make debugging more convenient and quickly, and reduce the waste of raw materials.

Parameters

Length of paper	230-830mm
Width of paper	140-480mm
Thickness of paper	80-200g/m ²
Thickness of cardboard	1-3mm
The min size	90×90×300mm
Speed	0-30pcs/min
Power	16kw
Weight	2300kg
Dimension	L8000×W2150×H1500mm

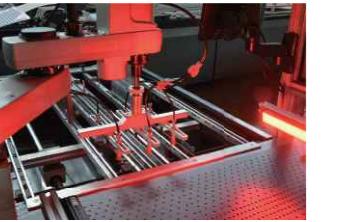


sales@royomachinery.com

QFM 460C 600C

AUTOMATIC CASE MAKING MACHINE

QFM 600YC



Position precision: $\pm 0.1\text{mm}$

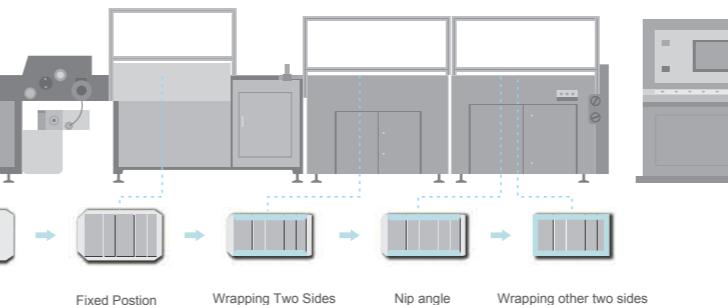


Aimed at developing ideal product

Today's economic environment is increasingly changed and demands for market are also getting diversified. Urgent matter is developing new fully automatic cover machine which can flexibly reply demands from multiple aspects. It can not only meet batch businesses, but can simultaneously ensure stable quality with higher standard under high-speed operation. Higher production efficiency, wider range of produced products and excellent ration of performance and price are good for environmental machineries. Based on such requirements for market, uses professional technical essence to have successfully developed new generation of fully automatic cover machine "QFM-C".

"QFM-C" is fully automatic cover machine researched and developed merging abundant technical force as basis and using many latest techniques and it is a strategic printing machine for enterprises to open up new world for businesses.

Combined craft flow line



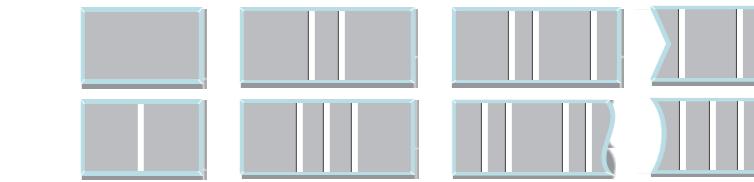
Main Technical parameter

Model	QFM 460C	QFM 600C
Length of paper	190–830mm	230–1030mm
Width of paper	100–460mm	100–600mm
Thickness of paper	80–200g/m ²	80–200g/m ²
Thickness of cardboard	1–3mm	1–3mm
Min width of spine	8mm	8mm
Speed	0–30pcs/min	0–30pcs/min
Power	12kw	13kw
Weight	3000kg	4000kg
Dimension	L7000 × W2100 × H1260mm	L8900 × W2250 × H1450mm

Characteristic

This machine adopts latest designed feeder automatic conveyed surface tissue. It automatically coat glue, automatically positions, automatically corrects errors for device and automatically conveys cardboard. It adopts automatic paper conveying machine with independent intellectual right. And then bottom paper is automatically connected, automatically pasted, automatically folded for shaping and automatically pressed. Products processed by this automatic machine is smooth, hemming is tight, it has excluded difficulties including chaff surface getting dirty and scratching accuracy's strictly controlled within 0.3mm. QFM600C has also solved bottleneck caused by super large specif i-cation's chaff.

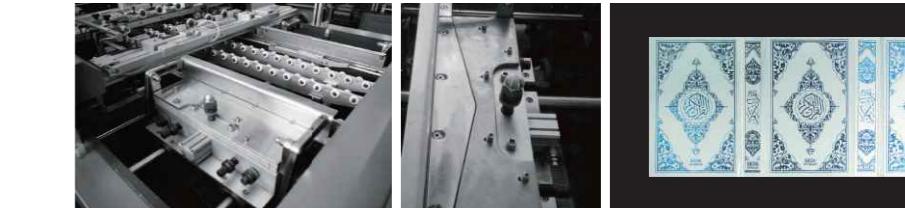
Product sample drawing



Remark: do not illustrate other samples, the machine can have different size of each product

Use

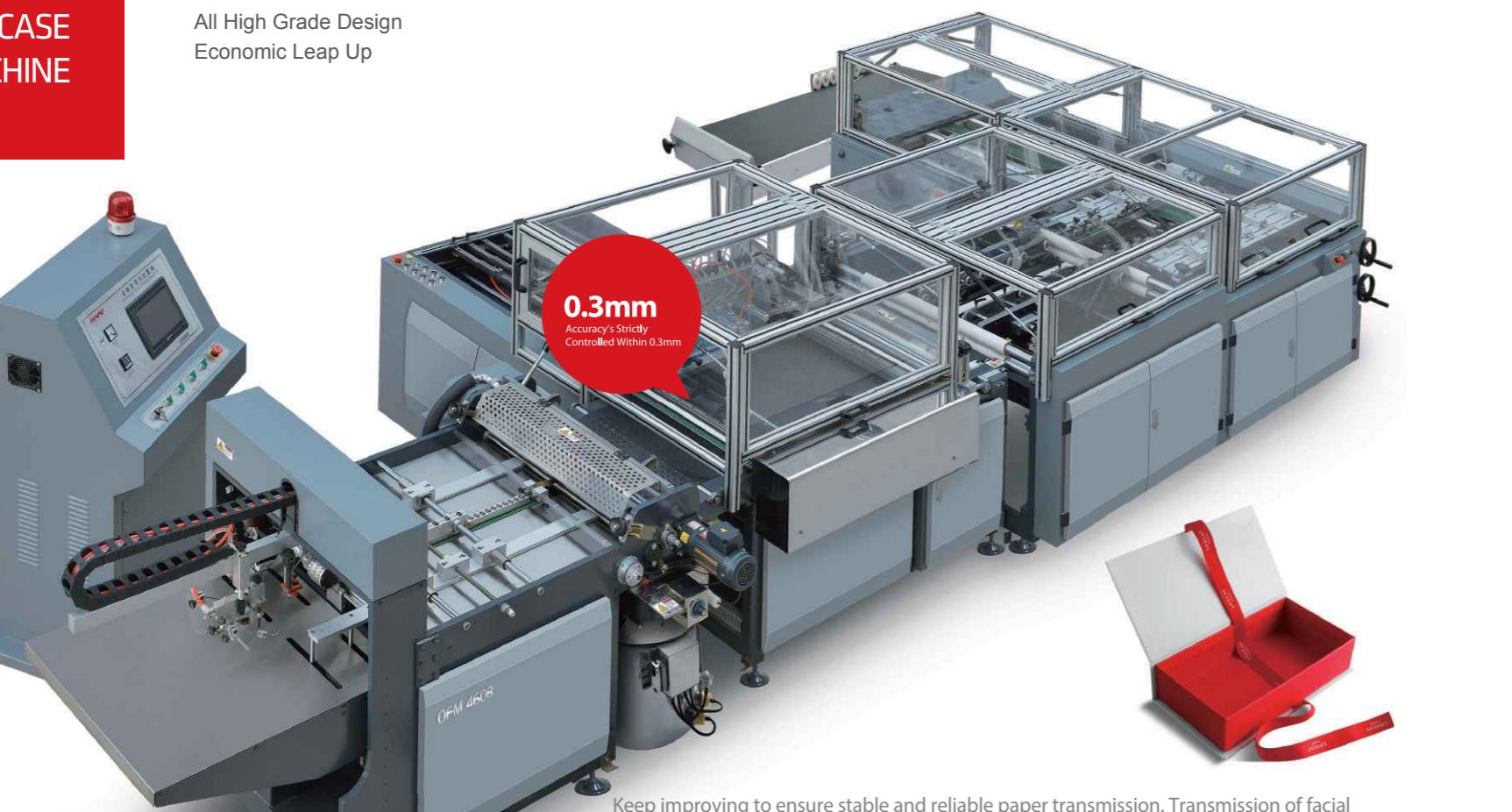
QFM460C/600C can be used for efficiently producing various of high-quality hardcover book case, book binder, folder, game board, books, table calendars, diaries, photo albums and high-end gift packaging (cigarette, wine, higher phone box, tea box, moon cake boxes, home visits, large gift boxes, etc.) Excellent quality, ranges sizes, high speed, suitable for ranges of products, stable and reliable operation, easy operation and maintenance, saving labor and energy, all that make the models become QFM series classic work.



QFM 460B 600B

AUTOMATIC CASE MAKING MACHINE

All High Grade Design
Economic Leap Up



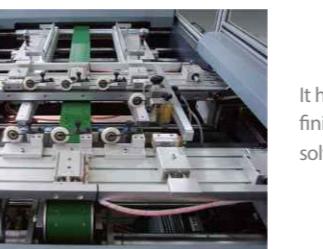
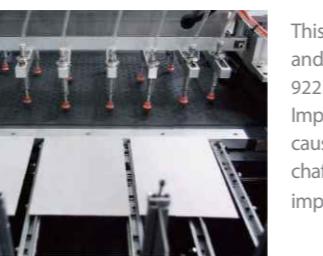
QFM 600YB



Position precision: $\pm 0.1\text{mm}$

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Keep improving to ensure stable and reliable paper transmission. Transmission of facial tissue adopts automatic paper transmission feeder with mutually combined with vacuum suction separated paper and computer controlled vacuum blower wheel paper delivery. Facial tissue enters band steel ball roller conveyer's new guiding rail for positioning, and then automatically coat glue for re-adoption of optical fiber precise tracking error correction device. It adopts unique development philosophy to solve problems including getting dirty and scratching. Through belt-oriented chaff transmission system developed by unique professional technique, sucker manipulator transmits product onto vacuum air-transmission conveyor belt for transmission which can avoid phenomenon including surface occurring getting dirty and scratching to meet requirements for high-quality products.



Automatic Error Correction Device for Improvement of Accuracy of Cardboard Positioning (Patent No.: 2L201220079360.1) Implementation of this patent is centered on solving requirements for fully automatic cover machine's processing accuracy for produced products, specially some color printed fine packing boxes and covers. So it has achieved higher demands for parallel degree of combination of facial tissue and cardboard and coincidence degree and even some users' requirement for this accuracy reaches less than 0.3mm. This device can meet requirements by users.

Optical Fiber Precise Detection Device to Improve Accuracy of Cardboard Accuracy This technology mainly solves problems including large cardboard deformation and rejected products caused by thin cardboard and non-standard board's inaccurate in place during transmission. It has improved rate of finished products.

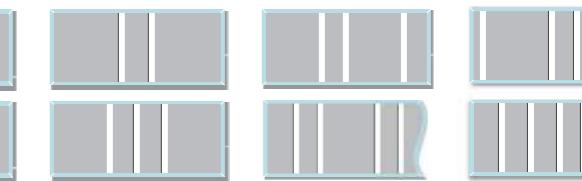
This technology has solved difficulties including its hemming and scratching for narrower cardboard.(Patent No.: 2L201020130922.1 and Invent Patent No.: 2L201010115059.7). Implementation of this patent has solved problem of scratching caused by mechanical parts advanced for cardboard narrowing for chaff with small two ends during hemming and it has greatly improved production efficiency.

It has improved efficiency for materials receiving and counting of finished products of chaff. Implementation of this technology has solved problem of low manual materials receiving and counting.

Main Technical parameter

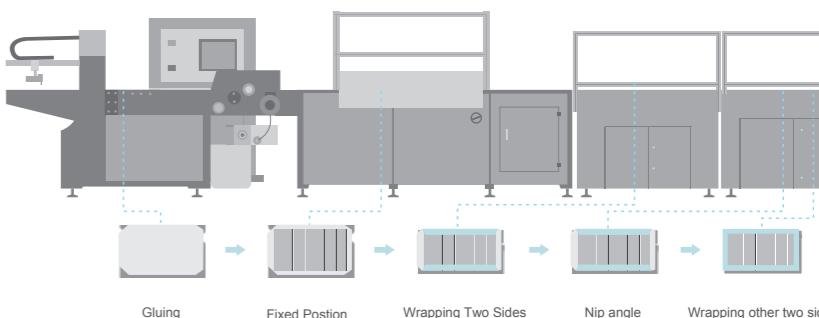
Model	QFM 460B	QFM 600B
Length of paper	190-830mm	230-1030mm
Width of paper	100-460mm	100-600mm
Thickness of paper	80-200g/m ²	80-200g/m ²
Thickness of cardboard	1-3mm	1-3mm
Min width of spine	8mm	8mm
Speed	0-30pcs/min	0-30pcs/min
Power	12kw	13kw
Weight	3000kg	4000kg
Dimension	L7000 × W2100 × H1260mm	L8900 × W2250 × H1450mm

Product sample drawing



Remark: do not illustrate other samples, the machine can have different size of each product

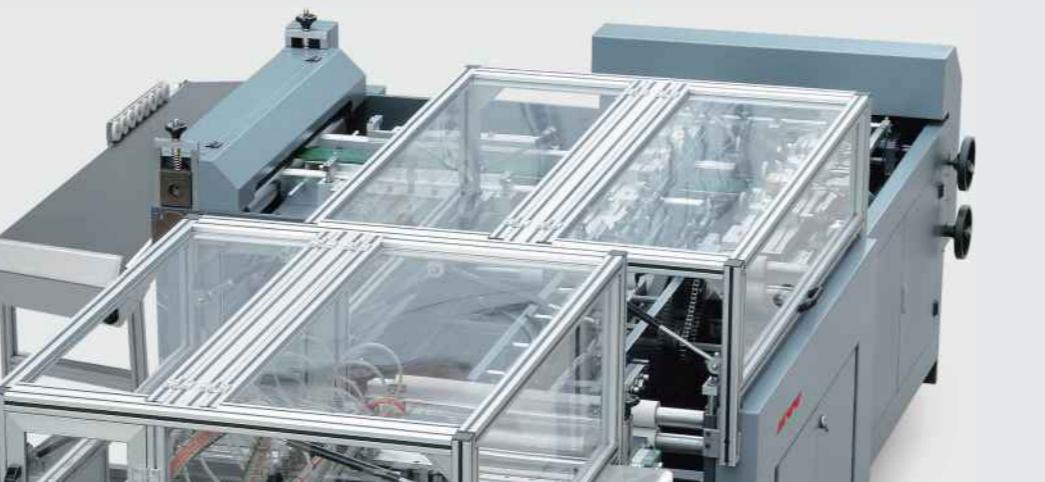
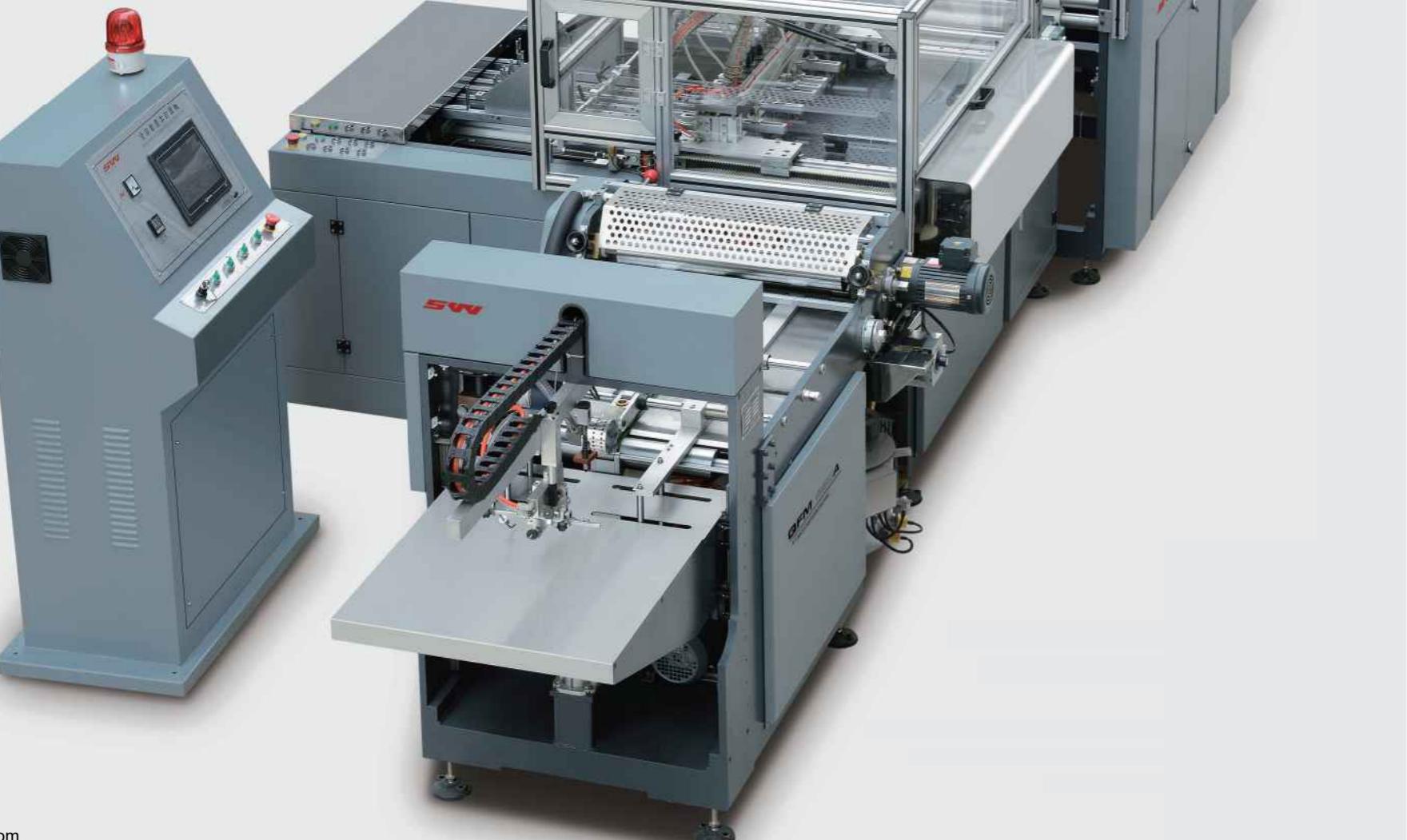
Combined craft low line



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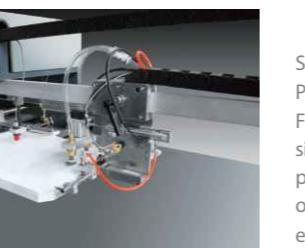
QFM 460A 600A

AUTOMATIC CASE MAKING MACHINE



Use

QFM460A/600A can be used for efficiently producing various of high-quality hardcover book case, book binder, folder, game board, books, table calendars, diaries, photo albums and high-end gift packaging (cigarette, wine, higher phone box , tea box, moon cake boxes, home visits, large gift boxes, etc.) Excellent quality, ranges sizes, high speed, suitable for ranges of products, stable and reliable operation, easy operation and maintenance, saving labor and energy, all that make the models become QFM series classic work.



Stable and Accurate Institution Providing Automatic Feeder Paper Delivery' s (Patent No.: 2L201120141210.4). For implementation of this patent, utility model's structure is simple and compact, debugging is simple and convenient, and paper feeding is stable and accurate, it may not cause deformation of paper and simultaneously paper feeding is quick and production efficiency is high



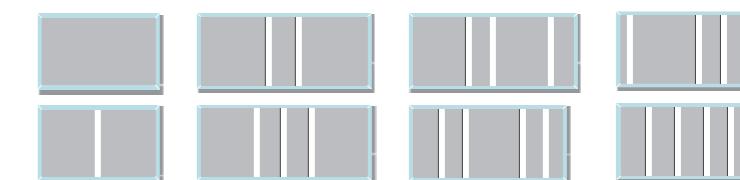
This technology has solved phenomenon including soiled and scratched surface caused in process of production of chaff and it meets requirements for high-quality finished products (Patent No.: 2L201020118418.X). Implementation of this patent adopts cardboard transmission mechanism to transmit lateral nip angle mechanism and lateral binding mechanism from vertical binding mechanism to enable it not to scratch it surface by mechanical parts during nip angle operation and enable surface for facial tissue to keep smooth and bright and clean.



Main Technical parameter

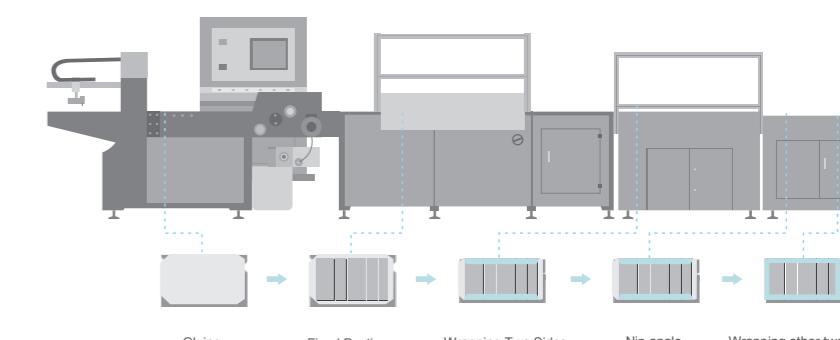
Model	QFM-460A	QFM-600A
Length of paper	190~830mm	230~1030mm
Width of paper	100~460mm	100~600mm
Thickness of paper	80~200g/m ²	80~200g/m ²
Thickness of cardboard	1~3mm	1~3mm
Min width of spine	8mm	8mm
Speed	0~30pcs/min	0~30pcs/min
Power	11.5kw	12.5kw
Weight	3000kg	4000kg
Dimension	L7000 × W2100 × H1260mm	L8900 × W2250 × H1450mm

Product sample drawing



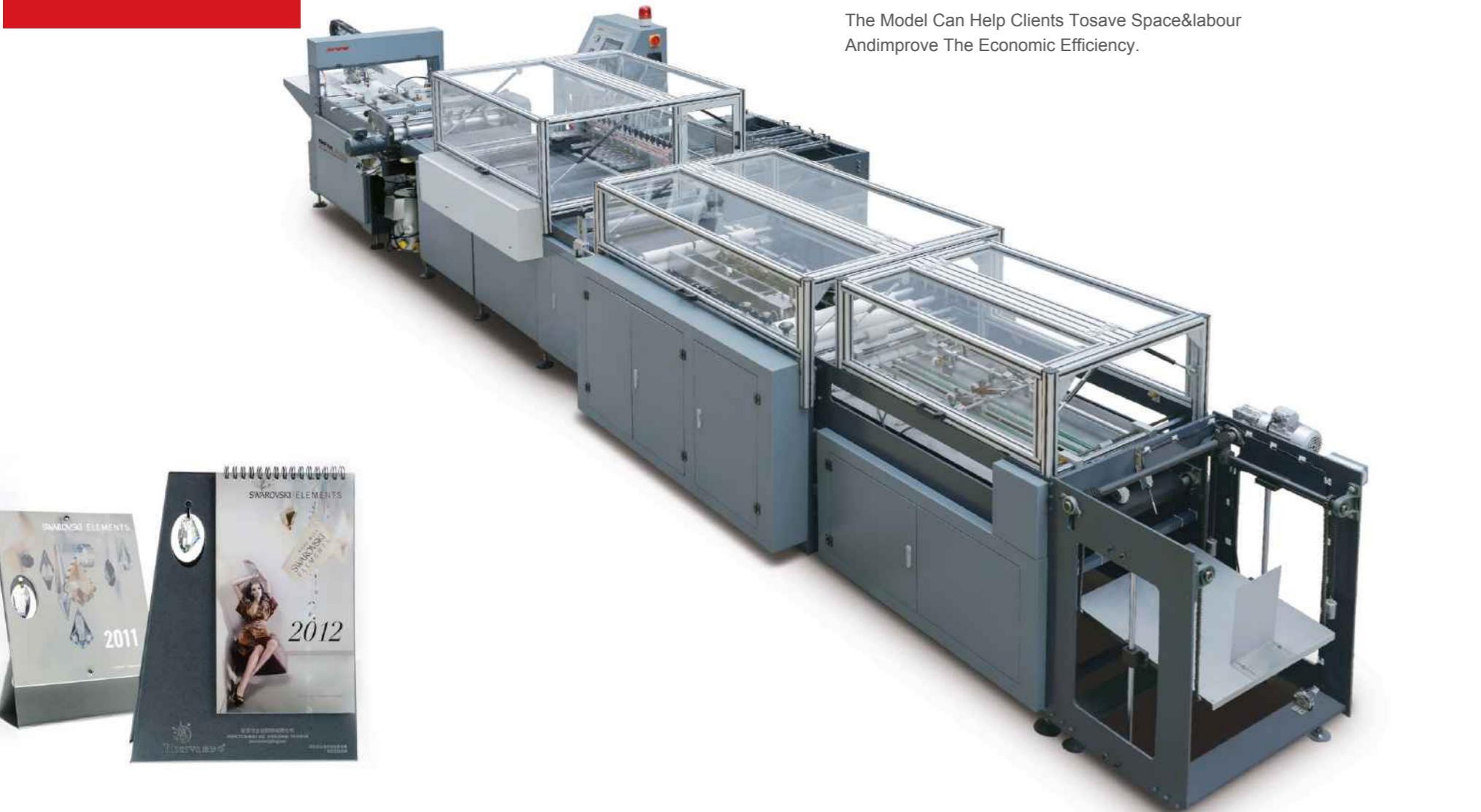
Remark: do not illustrate other samples, the machine can have different size of each product

Combined craft f low line



QFM 460 600

AUTOMATIC CASE MAKING MACHINE



The Model Can Help Clients To Save Space&labour
And Improve The Economic Efficiency.

QFM-460/600 New Automatic Lining machine used to
make lining for perfect book covers, cover of notebook, calendars,
hanging calends, cover of box, file etc.

It adopts high speed automatic paper feeding system, which is controlled pneumatically,
and its structures simple and reasonable.

New designed copper scraper cooperates with the rubber more compactly, effectively
avoiding paper winding. And the copper scraper is more durable

New designed copper scraper cooperates with the rubber more compactly, effectively
avoiding paper winding. And the copper scraper is more durable

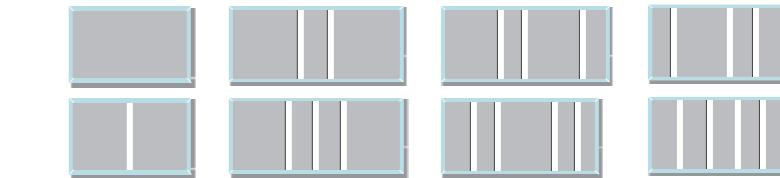
Paper feeding and positioning system adopt imported high precise photoelectric control device
to make the paper and cardboard location more accurate.

It adopts PLC control, featuring in simple operation. The troubles are displayed directly
on the HMI, which helps the operator easily remove them

Main Technical parameter

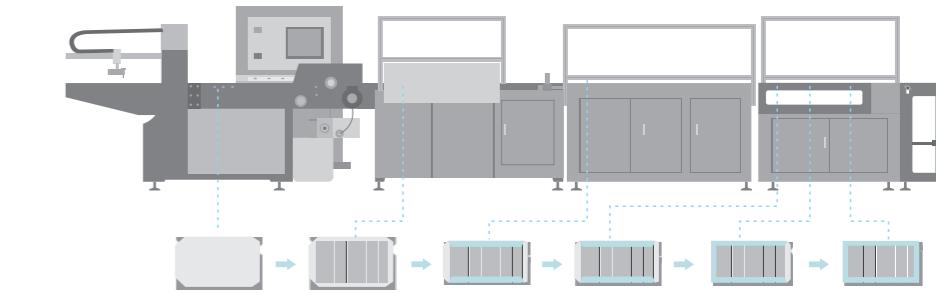
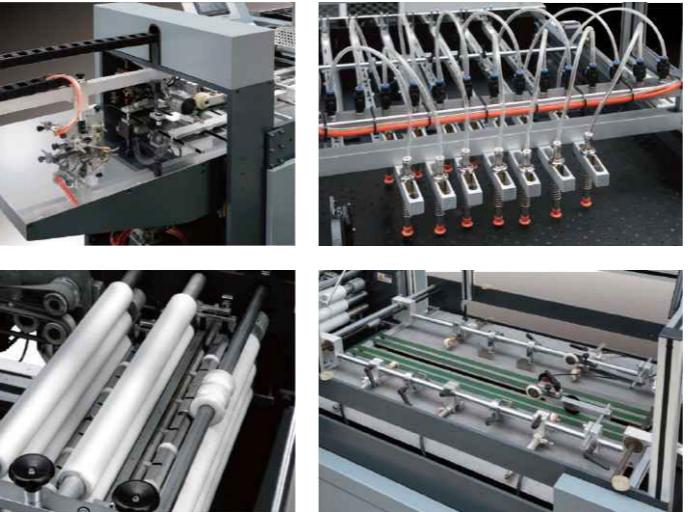
Model	QFM-460	QFM-600
Length of paper	190-830mm	230-1030mm
Width of paper	100-460mm	100-600mm
Thickness of paper	80-200g/m ²	80-200g/m ²
Thickness of cardboard	1-3mm	1-3mm
Min width of spine	8mm	8mm
Speed	0-25pcs/min	0-25pcs/min
Power	11.5kw	12.5kw
Weight	2500kg	2800kg
Dimension	L7500×W2000×H1500mm	L9400×W2600×H1500mm

Product sample drawing



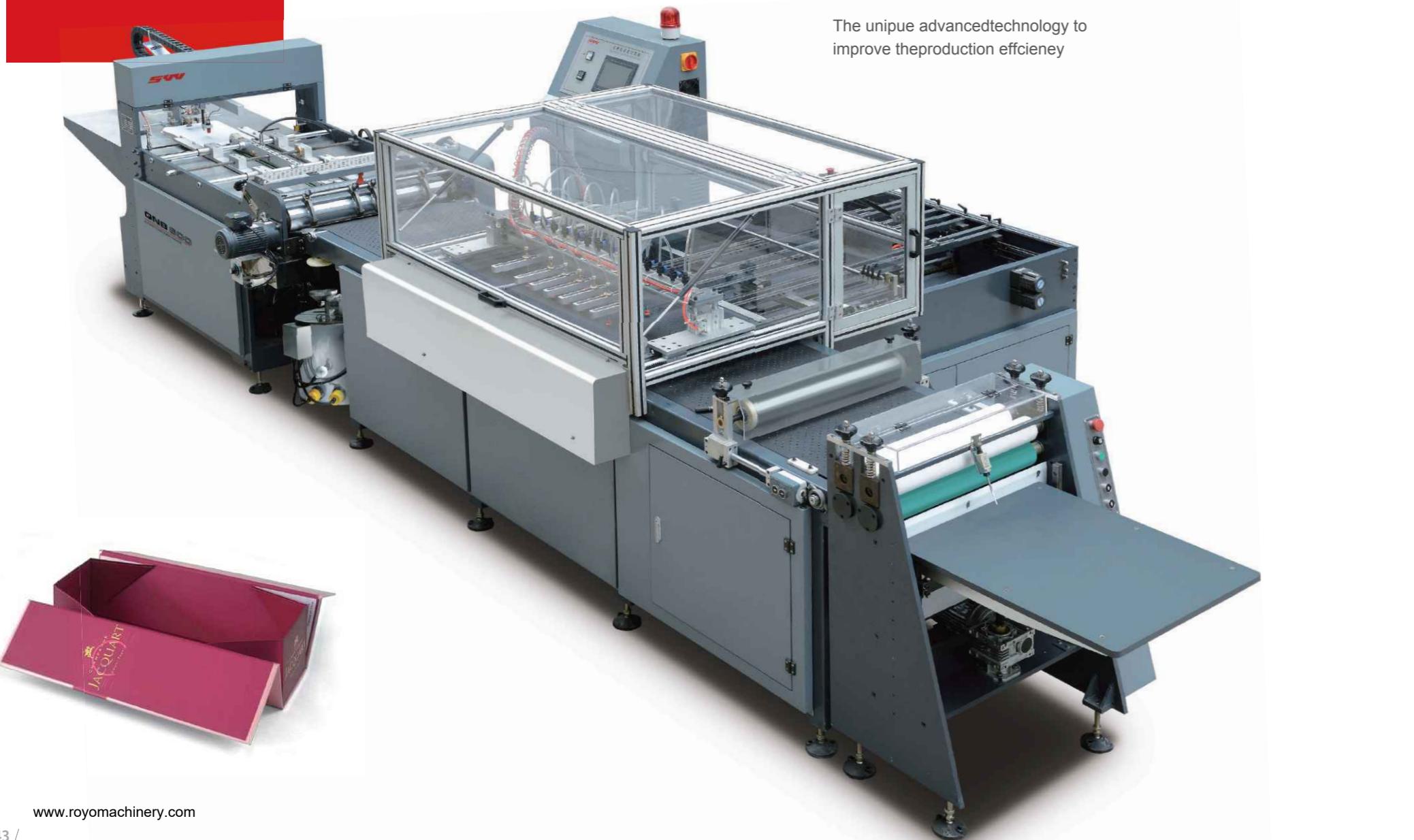
Remark: do not illustrate other samples, the machine can have different size of each product

Combined craft flow line



QNB 460

AUTOMATIC CASE MAKING MACHINE



The unique advanced technology to improve the production efficiency

QNB-460B/600B New Automatic Lining machine used to make lining for perfect book covers, cover of notebook, calendars, hanging calends, cover of box, file etc.

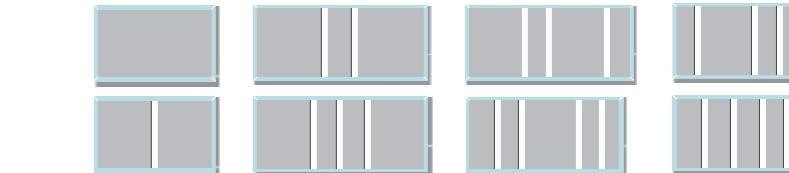
1. It adopts high speed automatic paper feeding system, which is controlled pneumatically, and its structures simple and reasonable.
2. New designed copper scraper cooperates with the rubber more compactly, effectively avoiding paper winding. And the copper scraper is more durable
3. New designed copper scraper cooperates with the rubber more compactly, effectively avoiding paper winding. And the copper scraper is more durable
4. Paper feeding and positioning system adopt imported high-precise photoelectric control device to make the paper and cardboard location more accurate.
5. It adopts PLC control, featuring in simple operation. The troubles are displayed directly on the HMI, which helps the operator easily remove them



Main Technical parameter

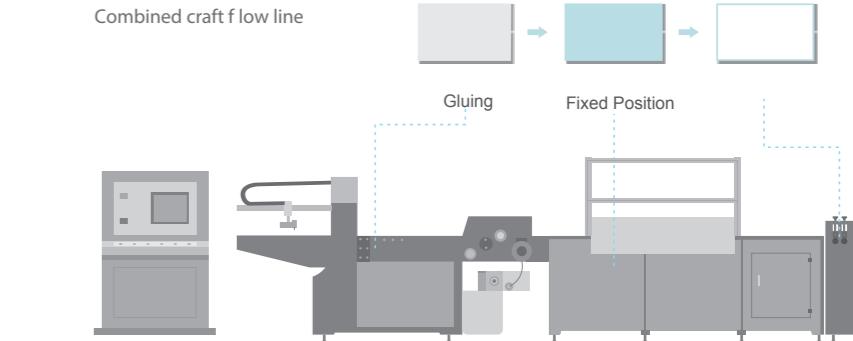
Model	QNB-460	QNB-600
Length of paper	190~830mm	230~1030mm
Width of paper	100~460mm	100~600mm
Thickness of paper	80~300g/m ²	80~300g/m ²
Thickness of cardboard	1~3mm	1~3mm
Speed	0~25pcs/min	0~25pcs/min
Power	10kw	11kw
Weight	2000kg	2200kg
Dimension	L4900×W2000×H1500mm	L6800×W2600×H1500mm

Product sample drawing



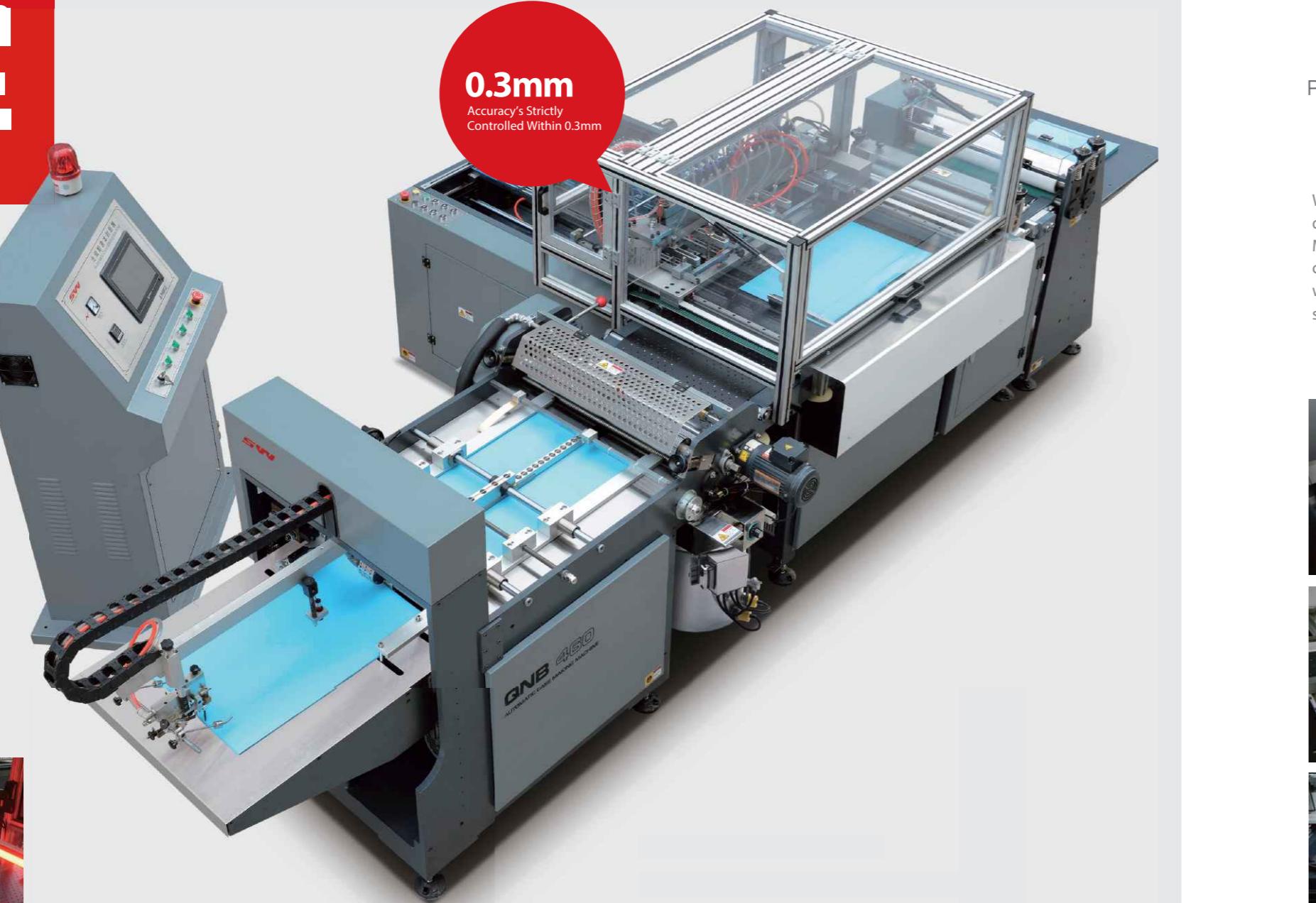
Remark: do not illustrate other samples, the machine can have different size of each product

Combined craft flow line



QNB 460B 60

AUTOMATIC C
MAKING MACH



QNB 600YB



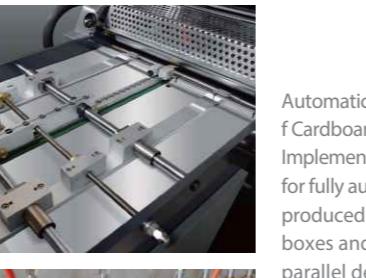
Position precision: $\pm 0.1\text{mm}$

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And It Help To Enhance The Productivity Efficiency by Testing The Device Performance From Different Ways.

Pioneering quality -- the brand

With the increasing change of economic environment and demand diversity, it's our priority to develop a new high-tech device matching with this market demand in hardcover machine field. Meanwhile, based on the present background demand of high speed & stability, high quality, and competitive price with perfect performance, we have successfully developed new model machine with excellent experience: QNB600/460 automatic lining machine . And now this new model plays a strategic role in meeting clients' need and creating more benefit.



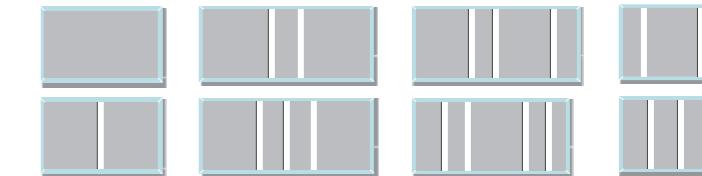
Automatic Error Correction Device for Improvement of Accuracy of Cardboard Positioning (Patent No.: 2L201220079360.1)
Implementation of this patent is centered on solving requirements for fully automatic cover machine's processing accuracy for produced products, specially some color printed fine packing boxes and covers. So it has achieved higher demands for parallel degree of combination of facial tissue and cardboard and coincidence degree and even some users' requirement for this accuracy reaches less than 0.3mm. This device can meet requirements by users.

Optical Fiber Precise Detection Device to Improve Accuracy of Cardboard Accuracy
This technology mainly solves problems including large cardboard deformation and rejected products caused by thin cardboard and non-standard board's inaccurate in-place during transmission. It has improved rate of finished products.

Main Technical parameter

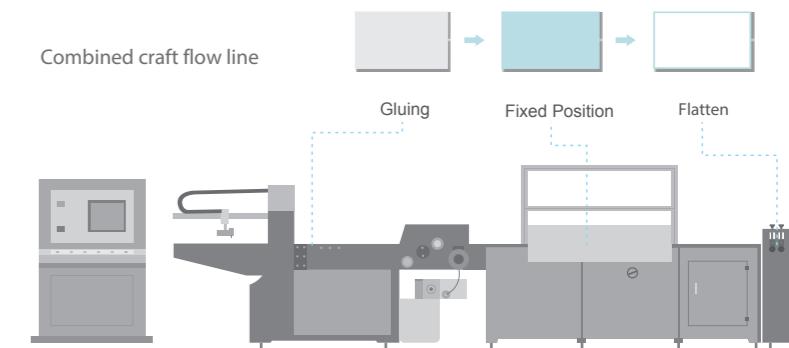
Model	QNB-460B	QNB-600B
Length of paper	190~830mm	230~1030mm
Width of paper	100~460mm	100~600mm
Thickness of paper	80~300g/m ²	80~300g/m ²
Thickness of cardboard	1~3mm	1~3mm
Speed	0~25pcs/min	0~25pcs/min
Power	10.5kw	11.5kw
Weight	2000kg	2200kg
Dimension	L4900×W2150×H1500mm	L6800×W2600×H1500mm

Product sample drawing



Remark: do not illustrate other samples, the machine can have different size of each product

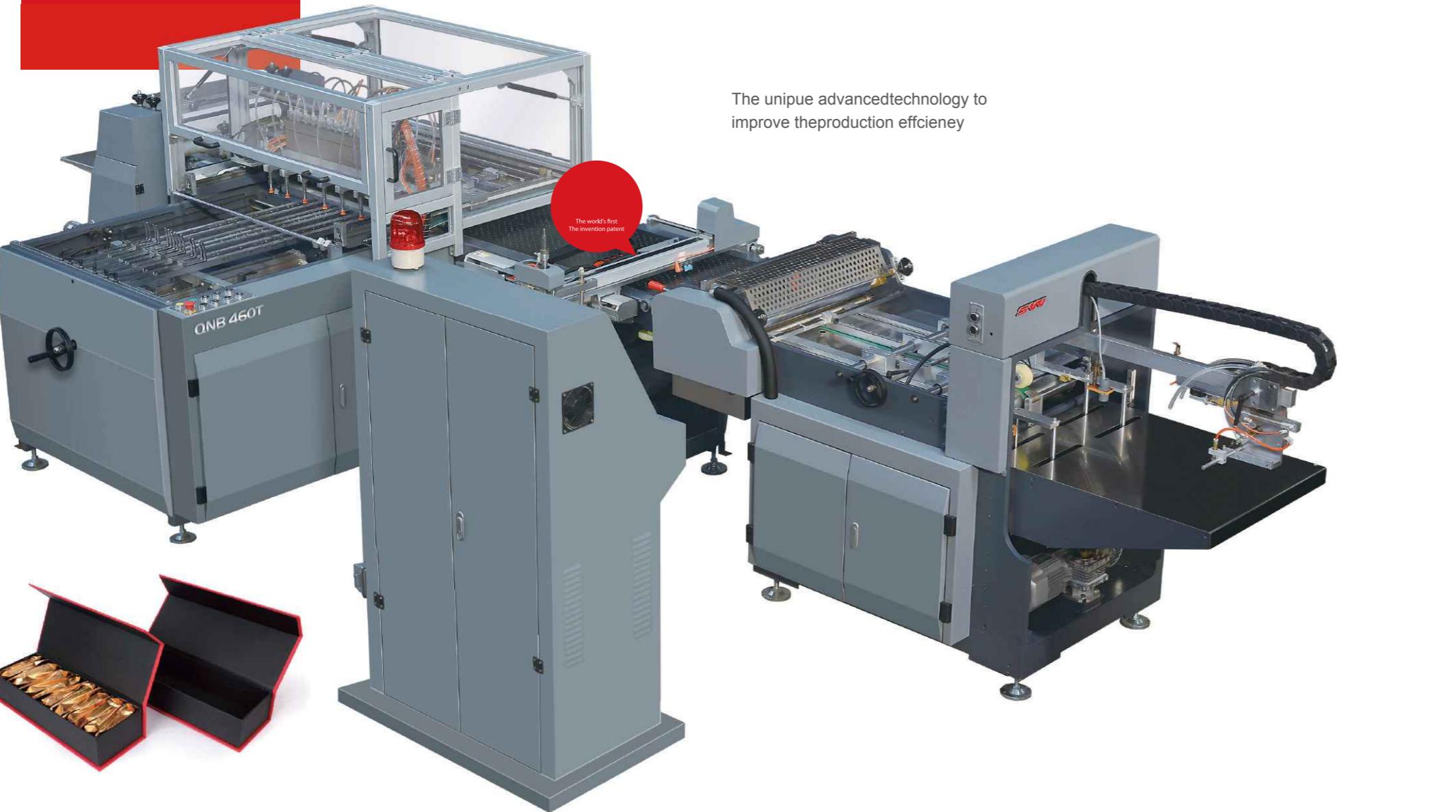
Combined craft flow line



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QNB 460T

AUTOMATIC LINING
AND METAL SHEET
PASTING MACHINE



The unique advanced technology to improve the production efficiency

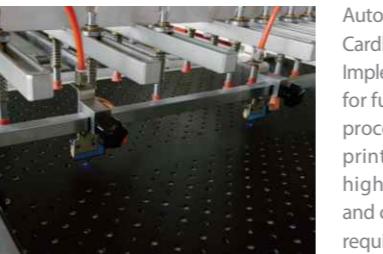


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47 /

Pioneering quality -- the brand

With the increasing change of economic environment and demand diversity, it's our priority to develop a new high-tech device matching with this market demand in hardcover machine field. Meanwhile, based on the present background demand of high speed & stability, high quality, and competitive price with perfect performance, we have successfully developed new model machine with excellent experience: QNB460T automatic lining machine. And now this new model plays a strategic role in meeting clients' need and creating more benefit.



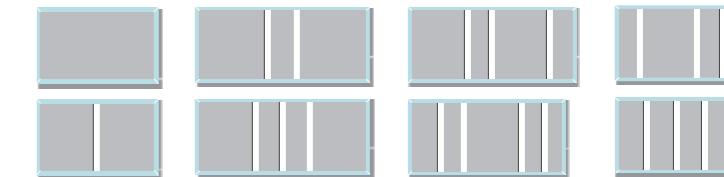
Automatic Error Correction Device for Improvement of Accuracy of Cardboard Positioning (Patent No: 2L201420079360.1)
Implementation of this patent is centered on solving requirements for fully automatic lining and metal sheet pasting machine processing accuracy for produced products, specially some color printed fine packing boxes and covers. So it has achieved higher demands for parallel degree of combination of facial tissue and cardboard and coincidence degree and even some users' requirement for this accuracy reaches less than 0.3mm. This device can meet requirements by users.

Automatic pasting iron institutions, international initiative, independent invention, not only quality rise above the common herd, and equipped with a OMRON PLC programmable program controller, touch human-machine plane, photoelectric switch precision positioning, automatic lifting type feeding, configuration only AC servo motor control, tissue and mechanical hand automatically grab iron transport beats and reach the processing station accuracy, and innovation improved multi station laminating process, solves the problem that rely on personnel manual attached, to realize high added value.

Main Technical parameter

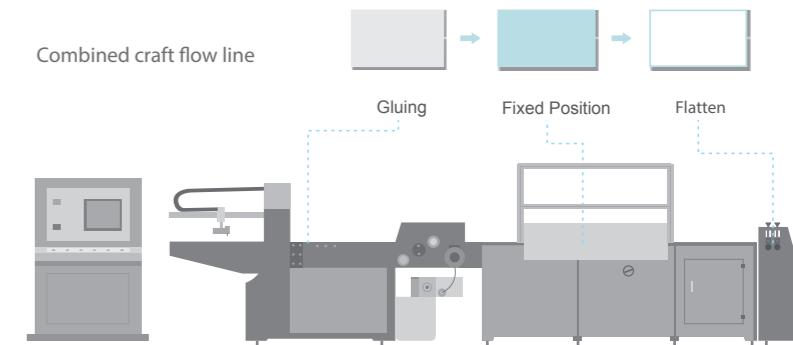
Model	QNB-460T
Length of paper	190-830mm
Width of paper	100-460mm
Thickness of paper	80~300g/m ²
Thickness of cardboard	1-3mm
Speed	0-25pcs/min
Power	11kw
Weight	2000kg
Dimension	L5950 × W2150 × H1500mm

Product sample drawing



Remark: do not illustrate other samples, the machine can have different size of each product

Combined craft flow line



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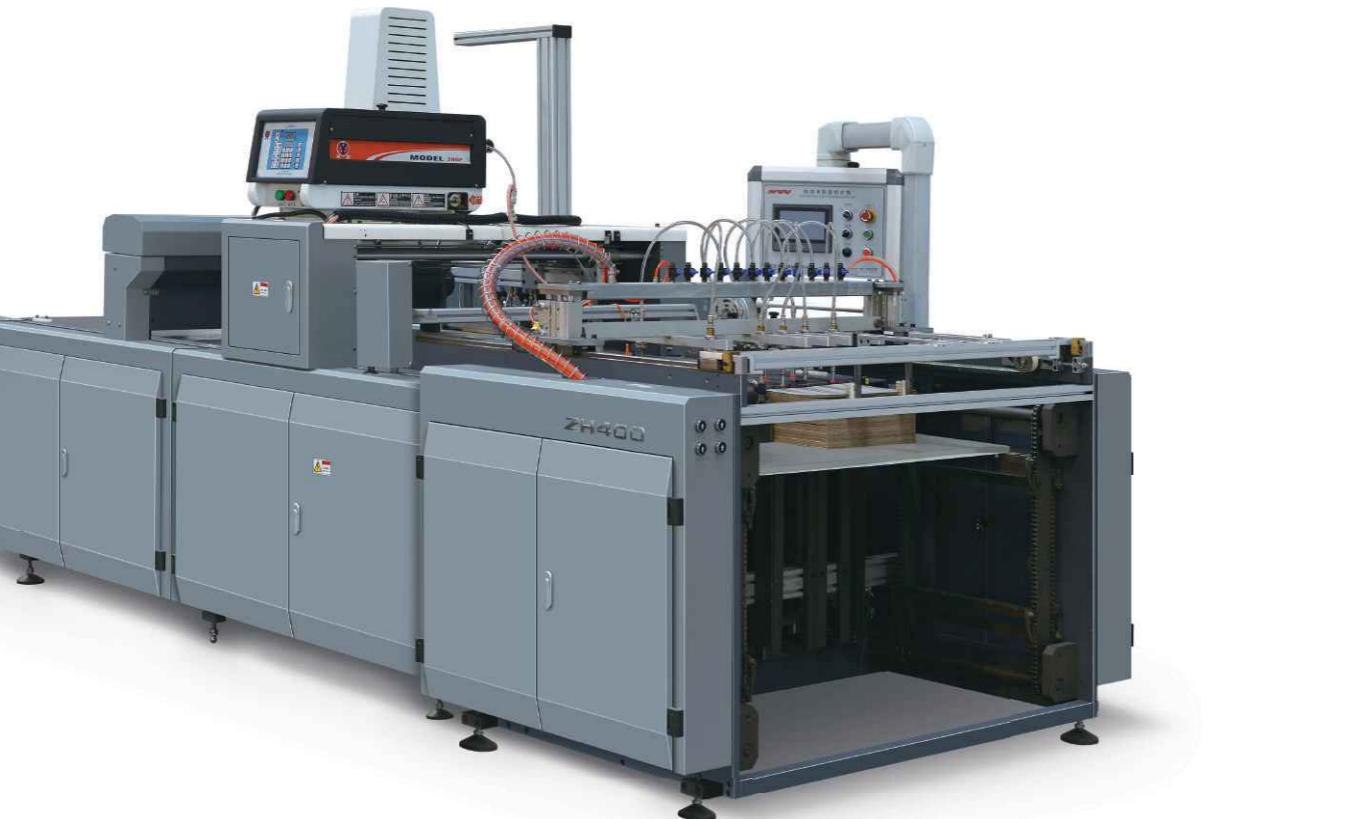
/ 48

ZH 400

SPRAY
ADHESIVE
MACHINE

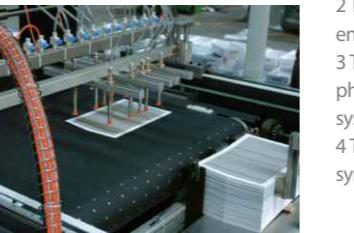


ZH 500Z SPRAY ADHESIVE MACHINE



ZH 500

SEMI AUTO
SPRAY ADHESIVE
MACHINE



of the system, professional used for book type box of the husk of the inside of the box and combination spray adhesive. used for dramate face type box of ite advantages more books Apparent. can greatly tip efficiency and save artilicially high reliability apply to gift boxes of the various sectors of box of books.

1 This machine adopts the company has a number of patent, photoelectric synchronous department can achieve husk board accurate piaced and a pray adhesive position, accurate combination.

2 The machine adopts high temperature hot melt adhesive to ensure efficiency and quality.

3 This machine adopts the high quality electrical appliances and photoelectric sensor, PLC and servo system. the man-machine system used to human nature to be more convenient.

4 This machine adopts the servo system can assure the synchronicity of the progressive and error inspection function.

Main Technical parameter

Model	ZH 400	ZH 500
Max size(mm)	450 × 900	700 × 1000
Min size (mm)	100 × 200	30 × 30
Thickness of cardboard	1.0~3.0	1.0~3.0
speed	20~25	20~40
Power	3.5kw/380v	3.5kw/380v
Weight	1500kg	750kg
Dimension	3700 × 1700 × 2000mm	3700 × 1400 × 2000mm

BSJ 450A

Semi automatic case maker



This machine is applied in covering and pressing various notebooks, photo books (photo album), folders, certificates, hardcover books. This process is finished easily at twice on both sides at the same time by one operator. It is the good partner of post-press, especially the digital post-press.
1. Adopting PLC operating system
2. Use hot glue
3. Replace products, fast adjustment speed
4. Feeder position

Model	BSJ-450A
Power Supply	380V/50HZ
Mainframe power	5.2kw
Work Speed	5~20PCS/minute
Case size(max)	760×450mm
Case size(min)	150×150mm
Machine Dimensions(L×W×H)	1500×700×1600mm
Paper thickness	80~175g
Machine Weight	600kg

SW 600A

Automatic Gluing Machine



1 Automatic sheet-fed front edge suction for various sheet sizes.
2 Adjustable rollers apply smooth glue coating on the sheet surface.
3 The circulating glue system with temperature controller assures
4 Conveyor equipped with air-suction system to forward sheet flat and stably.
5 With ball bearing design of feed table, the sheets are conveyed

Model	SW-600A
Length of paper	160~600mm
Gluing speed	10~40units/minute
Thickness of paper	100~200g
Machine dimension	6100×1270×1300mm
Weight	1000kg
Power supply	6.5kw
Power consumption	2.1kw/380v

FSJ 650A

Semi Automatic Gluing Machine
(feeding By Feeder)



1 Automatic sheet-fed front edge suction for various sheet sizes.
2 Adjustable rollers apply smooth glue coating on the sheet surface.
3 The circulating glue system with temperature controller assures
4 Conveyor equipped with air-suction system to forward sheet flat and stably.
5 With ball bearing design of feed table, the sheets are conveyed

Model	FSJ-650A
Sheet thickness	80~200g
Sheet cover width max	600mm
Sheet cover length max	100~2000mm
Production speed	0~40pcs/min
Power	9kw/380v
Machine dimension	6500×1350×1250mm
Machine weight	850kg

SSJ 650C

Manual Feeding Gluing Machine



1 Manual sheet-fed front edge suction for various sheet size.
2 Adjustable rollers apply smooth glue coating on the sheet surface.
3 The circulating glue system with temperature controller assures the adequate glue consistency.
4 Conveyor equipped with air-suction system to forward sheet flat and stably.

Model	SSJ-650C
Sheet thickness	80~200g
Sheet cover width(MAX)	600mm
Sheet cover length(MAX)	2000mm
Production speed	0~40pcs/min
Power	8kw/380v
Machine dimension	5500×1350×1250mm
Machine weight	600kg

SFM 600

Automatic four sides wrapping machine



The contra-positioned glued face paper and under-packing paper are sent into folding machine by conveyor belt. Folding is finished automatically in one time by firstly folding left and secondly front and back.

- 1 Feed the glue paper and body paper into the flanging belt, fold left and right side, then the paper is integrated closely via the drum of the first layer.
- 2 After being over-turned on light-controlled conveyor belt, the paper reciprocates to the drum of the second layer to perform flanging of the back side.
- 3 After operated by the back forward gas baffle, the paper reciprocates to the drum of the third layer to perform flanging of the front side.
- 4 The steel roller laminated with Teflon, not easy to exhibit the glue and durable in use.

Thickness of cover sheet	100–200g
Width of book cover	160–600mm
Length of book cover	200–1000mm
Thickness of book cover	1–3mm
Covering speed	25units/minute
Power	1.4kw/380v
Machine dimension	3620 × 1330 × 1260mm
Machine weight	780kg

FM 600C

Double sides folding machine



This machine can be used to mount and mold the cover of hardcover, file and album.

- 1 Adopted imported folding belt for folding, featuring in good result in folding.
- 2 Adopted rubber cylinder smashing, as a result the finished products are flat without bubbles.
- 3 The machine is characterized by convenient adjustment and simple operation.

Model	FM-600C	FM-800C
Thickness of cover sheet	80–200g	80–200g
Width of book cover	100–500mm	100–750mm
Length of book cover	100–2000mm	100–2000mm
Thickness of book cover	1–4mm	1–4mm
Covering speed	0–40pcs/min	0–40pcs/min
Power	0.75kw/380v	0.75kw/380v
Machine dimension	2200 × 1150 × 1050mm	2200 × 1350 × 1050mm
Machine weight	500kg	700kg

DB 800

Single side folding machine



TJJ-700

Adjustable speed gluing machine



ZP 800A

Hardcover pressing machine



TJJ 700B

Adjustable speed gluing machine



SW 900 Automatic Grooving Machine



The machine is special designed for make V and U type groove, use for industry-cardboard, Hardboard, Cardboard, plywood, grey board, copper printing paper, coated art paper, chrome paper, Ash-cardboard, MDF board and other several of cardboard.

It is suitable for make many types of boxes

The machine has high accuracy, dustlessness, little noise, highly effective, energy conservation, environmental protection

Width of cardboard	100-890mm
Length of cardboard	100-1000mm
Distance of each groove	0-830mm
Thickness of cardboard	300gsm-3.4mm
Grooving degree	Adjustable
Total cutting knives	9 pcs
Production speed	10-35m/min
Power	2.2kw/380v
Dimension	2600 × 1400 × 1600mm
Weight	1500kg

SW 1000 Manual grooving machine



The machine is special designed for make V and U type groove, use for industry-cardboard, Hardboard, Cardboard, plywood, grey board, copper printing paper, coated art paper, chrome paper, Ash-cardboard, MDF board and other several of cardboard. It is suitable for make many types of boxes

The machine has high accuracy, dustlessness, little noise, highly effective, energy conservation, environmental protection

Width of cardboard	100-890mm
Length of cardboard	100-950mm
Distance of each groove	0-830mm
Thickness of cardboard	300gsm-3.4mm
Grooving degree	80-140° 大小可调adjustable
The amount of groove	9 pieces one time
Production speed	10-35m/min
Machine Dimension(L × W × H)	1500 × 1400 × 1600mm
Weight of Machine	1100kg

SW 42 Spine Cutter



The spine cutter is a special equipment in binding hardcover books. It is characterized by good construction, easy operation, flat cut, high precision and high efficiency.

It is applied to slitting the central line of the hardcover books of various specifications.

Cutting length	420mm
Strip width	3-55mm
Strip thickness	0.10-4mm
Cutting speed	200times/minute
Motor power	1.1kw
Machine dimension	1400 × 1000 × 1200mm
Machine weight	350kg

SW 1350 Cardboard slitting machine



Cardboard cutter is mainly used for cutting sheets like hardboards, grey paper boards, etc. It is necessary for hardcover books. The machine adopts manual feed for big cardboard and automatic feed for small cardboard.

It has the features of pneumatic adjusting cardboard thickness, simple, reliable operation, convenient maintenance, etc.

The max size of cardboard	1200mm
The thickness of cardboard	1-4mm
Cutting speed	75m/min
Electric power	1.5w
Machine dimension	1200 × 2000 × 1100mm
Machine weight	750kg