

KSM-1100/1500/1700/1900 Double Rotary Knife Paper Sheeter Machine.

The KSM series Servo Control Precision High Speed Double Rotary Knife Sheeter Machine can efficiently complete slitting, trimming and sheet cutting of roll paper, as well as maintaining the highest precision and paper quality. This series paper roll sheeting machines are top grade paper converting equipment with latest technology.

Main features:

- (1) Strong body and heavy duty, machine is keep stable when run its highest speed.
- (2) The whole machine all uses SKF\NSK Original imported bearings.
- (3) Adopts international brand parts such as Schneider, OMRON and SMC, etc.
- (4) The rotary knife is adopt Germany Ni-Cr-Mo metal steel, with high precision and will never-deforms.
- (5) Use the automatic angle-aligning system to realize fast angle aligning of worksheet.
- (6) Equipped with anti-curve automatic regulation device, ensure fast and smooth adjustment.
- (7) Paper feeding part adopts pre-pressing device, to ensure that the paper is not wrinkled.
- (8) The cut paper edge is smooth and no paper powder, high precision and directly go for printing.

Technical specifications:

Model	KSM-1100/1500/1700/1900
Model of cutting paper	Double rotary knife
Thickness of cutting paper	60-1000GSM
Max. unwinding diameter	1500mm
Max. paper cutting width	1100mm(45")/1500mm(55")/1700mm(67")/1900mm(75")
Cutting length width	450-1600MM
Format of sheeting	2 sheets
Cutting precision	Cutting length 1000mm : ± 0.2 mm Cutting length > 1000mm: ± 0.1 %
Max. cutting speed	380 cuts/min
Max. cutting line speed	300 m/min (The speed is related with paper size)
Max. paper piling height	1300mm(KSM-1100) 1500mm(KSM-1400/1700/1900)
Request of air compressor	0.8Mpa
Power consumption	380V/220V X 50Hz
Machine weight (G.W)	12000/16000/18000/20000KGS

Cutting precision: Depending on the paper density, roll number and material of paper roll, ± 0.2 mm for 1000mm, ± 0.1 % for over 1000mm, and ± 0.1 % for acceleration or deceleration.

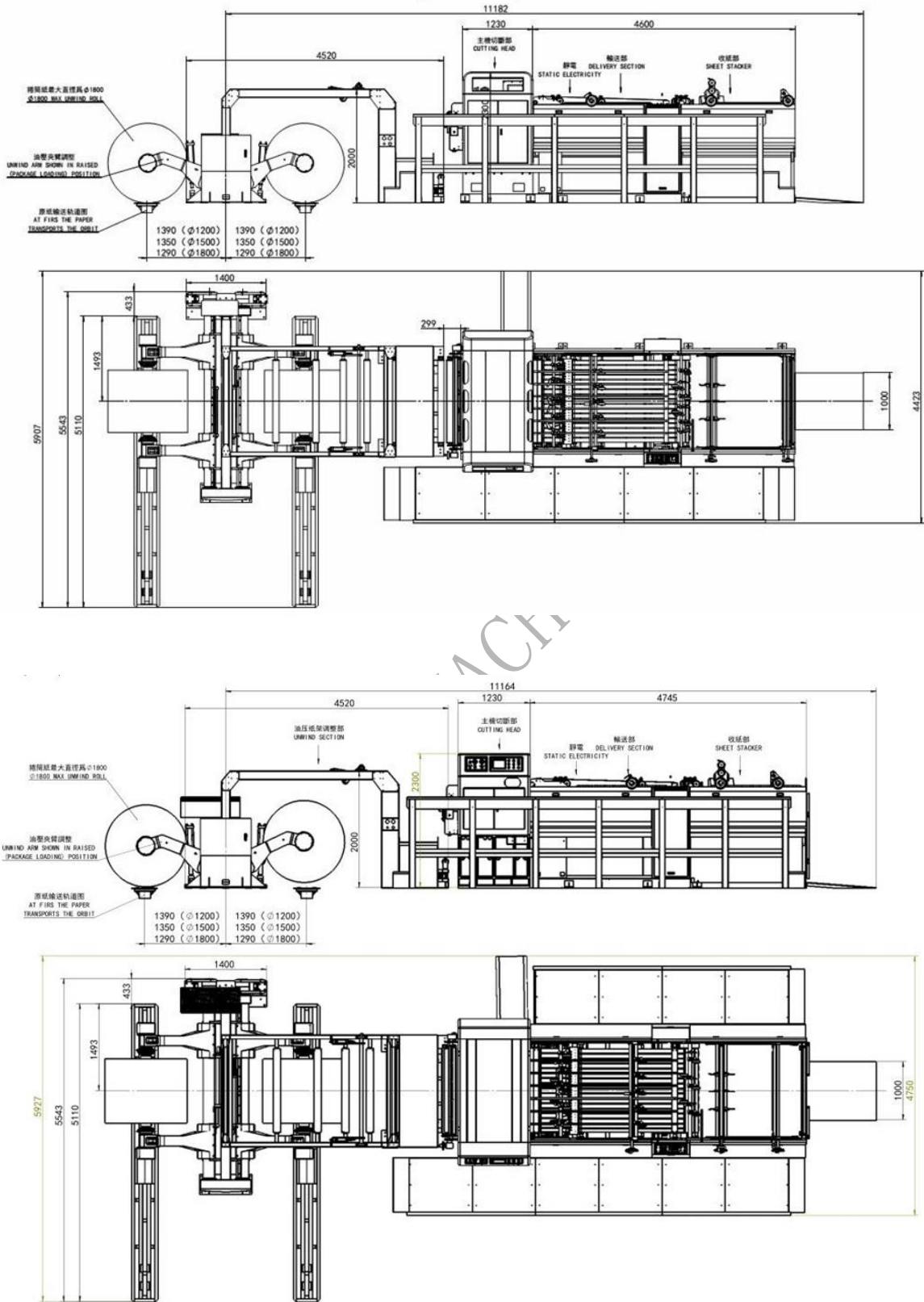
Main parts configurations:

SN.	Name	Brand	Place of Origin
1	Man-machine interface	10.4TFT KUNLUNTONGTAI	Sino-foreign joint venture

2	Automatic brake system (optional)	SMC	Japan
3	Automatic edge correction system (optional)	Jinpai	China Taiwan
4	Pneumatic components	AIRTAC	China Taiwan
5	Clamp arms	QT500-7 Nodular cast iron	Shanghai
6	Air volume regulator	AIRTAC	China Taiwan
7	Slitting system (optional)	DELSAR	Italy
8	Proximity switch	OMRON	Japan
9	Safety relay	SCHNEIDER	France
10	Bearing	NSK	Japan
11	Servo motor	MONARCH	Germany (Sino-foreign joint venture)
12	Frequency converter	HUICHUAN	Shenzhen(listed company)
13	Program controller	HUICHUAN	Shenzhen (listed company)
14	Blade	SHK	Sino-foreign joint venture
15	Air brake	RIXIA	China Taiwan
16	Conveyor belt	NITTA	Japan
17	Vibrator	FINDEVA	Switzerland
18	Control center	HUICHUAN	Shenzhen (listed company)
19	Photoelectric system (optional)	SICK	Germany
20	Automatic cursor tracking system (optional)	TRIO	England

Machine drawing:

KSM-1400 Double Rotary Knife Paper Roll Sheeter Machine



Main machine unit features:



	<p>Original Paper Rack, Paper Unwinding</p> <ol style="list-style-type: none">1. Max. paper roll diameter: 1800mm (71")2. Max. paper-cutting width: 1500mm /1700mm /1900mm3. Min. paper-cutting width : 500mm(20")4. Paper cylinder diameter: 3", 6" or 12"5. Hydraulic drive:<ol style="list-style-type: none">1)Open/close and forward/backward movement of paper roll clamp arms is driven by hydraulic cylinder2)Lifting of paper roll clamp arms is driven by hydraulic cylinder6. Paper guide roll and relevant brackets7. Tension control system: Pneumatic tension control and swing roll to adjust the pressure arm rise or fall, to control the strength of brake
	<p>Web guide (optional)</p> <p>Hydraulic type, adopt accurate sensing valve for controlling , it is driven by hydraulic cylinder</p>



Anti-curve device

Type: Adopt motor drive and high-speed adjustment

Anti-curve device: Anti-curve guide roll adopts patented design and efficient anti-curve treatment



Paper pre-pressing part

Adopt electric control and inching mode, to make the pressing roll moving vertically, ensure proper positioning of feeding paper, and reduce the phenomenon of paper creping



Photoelectric tracking system (optional)

Automatic edge leading: Hydraulic edge leading, paper edge, electric-eye tracking, paper control and adjustment, and edge correction system all need to be equipped with line and edge tracking

Automatic cursor tracking slitting: Accurately locate the dual-servo drive



system, so as to realize the dual-servo motor synchronization and adjustment.

Automatic cursor electric-eye device: High-precision decibel electric-eye, to accurately locate paper color code and feed back to the TRIO tracking system.



Slitting unit (optional)

Type: Adjustable trimmed splitting knife and suction duct fan and air hose on both sides of waste paper edge.

*Upper knife:

Adjustable rising and falling, switch type slitting knife, and paper cutting clearance can be adjusted manually.

Lower knife: Knife shaft fixed the upper and lower position, and paper cutting clearance can be adjusted manually.

Fan: 1.5KW motor drive. *Y type waste paper edge collection pipe and fixed frame.



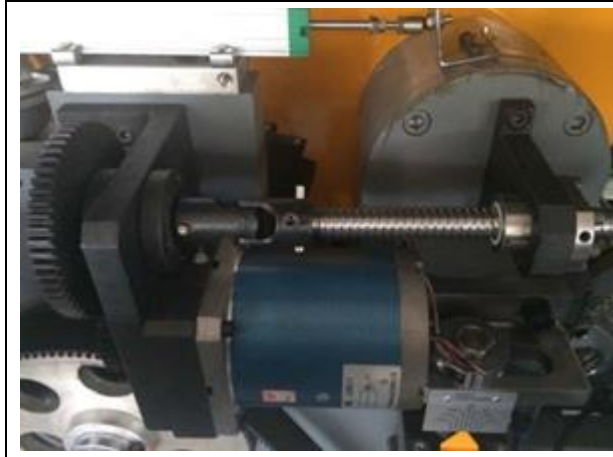
Double knife unit:

double knife: Adopt cast iron integrated forming casting, and combine with precision finishing, to have better stability.

Drive roll: Roller's surface adopts the expansion texture design and controls the pressurized clip paper of roller through the cylinder.

Back cutting knife: Made of special alloy steel through precision finishing, thus having long service life; the blade is easy to adjust and calibrate.

Safety cover: The machine stops automatically when the safety cover is open, so as to guarantee safety.



Automatic adjustment system of paper edges and corners

Man-machine interface, easy to operate
 Type: Adopt the UK holder fixing method to fixed, to save time and manpower and improve efficiency



Man-machine interface

Electrical control system is easy to operate
 The cutting length, quantity and number of finished products can input directly
 The actual cutting length and cutting quantity can be displayed in real time



Static elimination equipment

Type: Plasma rod type, to eliminate the static electricity on paper.
 Main machine: Efficient static electricity.
 Static elimination rod: Effective discharge range 1400/1700/1900mm.



Paper conveying equipment

Type: Horizontal multi-stage differential feeding, to produce separation count and paper stacking effect. (Conveyor belt: Nita brand, imported from Japan).
 First conveyor section: Quickly separate and cut the paper.
 Second conveyor section: Can be

	<p>controlled independently or jointly, and adjust the paper to feed out in imbrication type.</p> <p>Paper-out conveyor section: Refined paper separator, can be adjusted by the matched with paper width. Pressurized feeding wheel to increase the stability of paper and avoid inclination of paper.</p>
	<p>Automatic paper alignment and collection equipment</p> <p>Type: Hydraulic lifting and stacking collection paper table, descend automatically when the paper stacks to a certain height.</p> <p>Maximum effective paper stacking height: 1500mm</p> <p>Paper collection size: Width = 1400/1700/1900mm, length = 1650mm.</p> <p>Paper alignment equipment:</p> <p>Electric type positive paper alignment mechanism; Electric type paper alignment mechanism on both sides;</p> <p>Turnover type rear retaining board mechanism; Hand-operated and both sides moveable of paper alignment mechanism.</p>
	<p>Automatic counting label insert equipment</p> <p>Type: Accurate counting transverse inserting.</p> <p>Function:</p> <ol style="list-style-type: none"> 1. Set the input the number of label in the soft-touch type computer interface, to insert the label according to the set value. 2. Sheet replenish function of non-conforming products.