

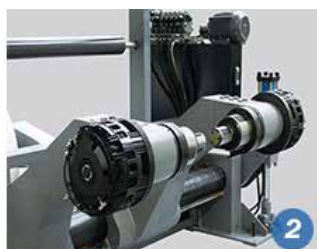
SM SERIES

Double Rotary Knife Sheet Cutter Machine



SM-1100/1400/1700/1900 series Servo Precision High Speed Sheet Cutter Machine (Synchro-fly twin knife) it can efficiently complete slitting, rip cutting and trimming of products, as well as maintaining the highest precision and product quality. SM series paper roll slitting machines are well equipped and almost can adapt to all die cutting requirements of products.

- 1- Adopt nodular cast iron-QT500-7, original paper frame clamp arms casting by special technology process, thus featuring by high strength, never deformation and ensure the safety of original paper frame clamp arms.
- 2- Adopt steel plate-Q335, the mainframe wallboard has precision manufacturing and high strength, thus will never-deformed.
- 3- The whole machine all uses SKF\NSK original imported bearings.
- 4- The whole machine uses original parts imported from France Schneider, Japanese OMRON and Japanese SMC, etc.
- 5- The conveyor belt is imported from Japan.
- 6- Die cutting accuracy reach to $\pm 0.3\text{mm}$, the highest speed of SM series machine reaches 300 sheet/min.
- 7- The back cutter is adopt Germany Ni-Cr-Mo metal steel, with high precision and will never- deforms; the knife edge is easy to adjust and calibrate.
- 8- Use the automatic angle-aligning system to realize fast angle aligning of worksheet.
- 9- Equiped with Dayuan first-developed anti-curve automatic regulation device, ensure fast and smooth when they adjust of anti-curved paper.
- 10- Paper feeding part adopts pre-pressing device, to ensure that the paper is not wrinkled.
- 11- Equiped with touch-screen operation interface in both chinese and english.
- 12- All adopt Taiwan AIRTAC's pneumatic components to ensure every pneumatic action performs accurately.



- 1 Automatic anti-curve equipment
- 2 Double-helix knife
- 3 Three sets of slitting knife are used for trimming and middle slitting
- 4 Electric appliance unit
- 5 Overlapping unit
- 6 Paper collecting unit

MAIN TECHNICAL PARAMETERS

Model	SM-1100/1400/1700/1900
Cutting type	Synchro-Fly Twin Knife
Applicable Range of Paper	60-1000 SM
Max. Paper Roll Diameter	1800 mm (71")
Max. Paper-Cutting Width	1100 mm / 1400 mm / 1700 mm / 1900 mm
Range of Cutting Length	450-1450 mm (SM-1100), 450-1600 mm (SM-1400/1700/1900)
Cutting Sheet Number	2 sheet
Cutting Precision	Cutting Length 1000 mm: ± 0.2 mm Cutting Length >1000 mm: ± 0.1 mm%
Max. Cutting Speed	300 cut/min.
Max. Cutting Meter Speed	300 m/min.
Max. Paper Stacking Height	1300 mm (SM-1100), 1500 mm (SM-1400/1700/1900)
Air Pressure Source Requirement	0.8 Mpa
Design Power	380V/220Vx50HZ
Gross Weight	12.000/16.000/18.000/20.000 kgs

Cutting precision: Depending on the density, roll number and material of paper roll, ± 0.2 mm for 1000mm, $\pm 0.1\%$ for over 1000mm and $\pm 0.1\%$ for acceleration or deceleration. The above data is based on the stable cutting operation and correct procedure. (When the cutting paper roll is one, the length of the cutting paper is the correct length)

Output: Actual output depends on the paper material, paper weight, cutting length, number of paper roll, technology of the operation conditions, etc.