



WZFQ-1600A Three Servo Motor Automatic Tension Slitting Machine



Adopts automatic cylinder loading. Magnetic brake. Automatic tension. It does not need to input the material thickness, the proximity switch can inspect the unwinding diameter directly which near the transmission shaft. The machine can slow down according to the rest material, in this way, the worker can prepare for the next roller. With the manual adjustment system, the unloading material tightness can be controlled. The adjustable range: ± 20 mm, adopt thread screw to move the frame left and right by motor to make the auto error-correction. Corridor type feeding materials easily for operation.

Specification

- Material type: for large rolling materials, such as paper sticker, paper, compound printing paper and so on.
- Material thickness: 40-350g (paper)
- Diameter: 1600mm
- Paper roll: 3" or 6" for choice
- Max width: 1600mm
- Roller width: 1650mm
- Slitting width: 50-1600mm
- Rewinding paper roll: 3
- Rewinding max. Diameter; 1000mm (1200mm)
- Error-correction: 150mm
- Precision: ± 0.15 mm
- Speed: 350m/min
- Slitting speed: 10-350m/min



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- Power: 22KW
- Weight: 4500KG
- Dimension: Length: 3800, width 3000, height 1800mm
- Slitting tolls: standard for 10 ets, according to customer's requirement
- Upper cutter: $\Phi 125*85*1.2$ mm , brand: shanghai
- Bottom cutter: $\Phi 100*20*16$ mm, brand: shanghai
- Rewinding shaft: 4pcs of 3"air shaft
- With the $\Phi 90$ hard aluminum oxide guide roller

Configuration

Name	Specification	Qty	Brand name
45# steel frame	Thickness of wallboard 45mm	1set	Shanghai Baosteel
3" air adjust air shaft		2pcs	Ningbo
Main traction roll(mirror)	$\phi 200*1650$ mm	1pcs	Hard chromium plating with glazing. Dynamic balance 500m/min. Precision G1.6
Rubber press roller	$\phi 150*1650$ mm	1pcs	Imported silica gel, the hardness reach to 70degree, Dynamic balance 500m/min. Precision G1.6
Hardness aluminum oxide guide roller	$\phi 90*1650$ mm		Hardness oxidation treatment, Dynamic balance 500m/min. Precision G1.6
Rewinding servo motor	7.5KW	2sets	Duochuan
Traction servo motor	5..5KW	1set	Duochuan
Unwinding pneumatic brake	20KG	2sets	Wenzhou
Motor for blowing the slitter edge	1.5KW	1 台	Wenzhou
Bearing		Some	HRB
Pneumatic part		Some	SMC
Electric proportional valve		2pcs	SMC
Unwinding	20KG	1sets	Wenzhou



pneumatic brake			
PLC	SMART	1pcs	SIEMENS
10" touch screen	TPC1061Ti	1pcs	MCGS
Proximity switch		1pcs	OMRON from Japan
Low-voltage apparatus		Some	Schneider
Power supply	S100-24	1pcs	Taiwan meanwell

Function

Unwinding part

- Adopts automatic cylinder loading. Magnetic brake. Automatic tension.
- It does not need to input the material thickness, the proximity switch can inspect the unwinding diameter directly which near the transmission shaft. The machine can slow down according to the rest material, in this way, the worker can prepare for the next roller.
- With the manual adjustment system, the unloading material tightness can be controlled. The adjustable range: +/-20mm
- Adopt thread screw to move the frame left and right by motor to make the auto error-correction.
- Corridor type feeding materials easily for operation.
- Magnetic powder: 20KG
- Brake: 2sets

Traction part

The 5.5 KW servo motor drives the mirror surface and pinch roll

Waste paper recycle device

Using motor to blow out the waste paper. The net cage should be prepared by customer.

Rewinding part: (automatic loading and discharging, easily for operation)

- Rewinding the cut material by upper and bottom double bearing.

Each rewinding shaft with 1 set of 7.5KW servo motor to drive the air shaft. The tension decided by the roll diameter. PLC controls SMC electric automatically to make all the sheet same thickness when do the multiple slitting. Because of the press roller, all the reels end face is smooth. it has the choice of pneumatic press roller and self-weight press roller. The screw type rewinding way can control the degree of the tightness of the finished products. With the increasing of the rewinding diameter, the servo motor speed goes down to extend the life of the air shaft

The air shaft never broken except the human factor

- It can choose the whole shaft tension without friction and the servo motor in torque control mode in PLC

Rewinding and discharging: automatic up and down.