

# **Jota JT-SLT-1400FA**

Servo Type New Fully Automatic  
Thermal Paper Rolls Production Line



The full automatic thermal paper production line included:

- 1)Auto Remote shaftless unwinding stand
- 2)Auto loading plastic inner core
- 3)Auto slitter rewinder
- 4)Auto push out small rolls
- 5)Auto cutter& gluer
- 6)Auto unloading small rolls device
- 7) Auto conveyor
- 8) Auto break off
- 9) Hammer
- 10) Full Automatic Shrink Film Wrapping Machine + Oven

## JT-SLT-1400FA High Speed Servo Type Fully Automatic Thermal Paper Rolls Production Line



### Slitting Rewinding Machine Parameters:

Max. Parent Web Width	1400mm
Max. Parent Web Diameter	1500mm
Rewinding Diameter	100mm
Min. Slit Width	25mm
Max. Machine Speed	250m/min
Thermal Paper Thickness	35-120gsm
Unwinding Type	Shaftless
Rewinding Shaft	No need rewinding shaft
Weight	6500kg
Voltage	380V
Dimension	4200*3200*2000

#### SPECIFICATIONS

Fully Auto Thermal Paper Slitting Rewinding Machine is suitable for producing Thermal Paper, Kraft Paper, Kraft Tape, SMT Non-Woven, Thin Paper etc.

#### Main

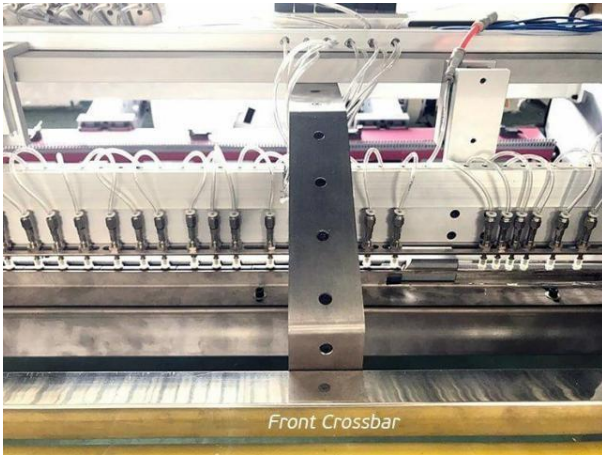
Machine adopts **Siemens PLC control system** and touch screen, all the parameters are displayed on the monitor, and it will automatic work.

The main motor adopts <b>Siemens inverter motor</b> , and frequency inverter control.
Machine adopts <b>Shaftless hydraulic jumbo roll loading system</b> . Using the separate cylinder control locking the shaft. Max weight can be 2000kgs.
All transmission rollers have been dynamic/static balance treated.
Machine adopts <b>red line marking system</b> , printing red line at the end of paper rolls.
Machine adopts <b>round blades to slit</b> , it equipped with <b>automatic wasting materials edge trimming system</b> .
It adopts <b>auto tucker</b> , adjust the paper material loose or tight easily.
It adopts <b>2 sets sensor &amp; fully automatic tension control controller</b> to keep constant tension.
It adopts <b>auto meter counter</b> , when it reach the setup length, the machine stop and alarm automatically.
It can adopts <b>automatic cutter and gluer</b> .
It equipped with emergency switch.

<b>Unwinding Section</b>
<p>Hydraulic shaftless unwinder which more easier to loading material</p> <p>Electromagnetic brake from Taiwan</p> <p>Fully automatic tension controller</p> <p>One set of photocell to tracking the precision for printer material</p>
<b>Slitting Section</b>
<p>Disc Cutter</p> <p>Cutter with adjustable and moveable blade base.</p> <p>Meter counter</p> <p>Banana Roller to avoid overlapping problem</p>
<b>Rewinding Section</b>
<p>0.5", 1" cores, shaftless rewinding</p> <p>Surface Rewinding technology , it adopt vertical method to press the rewinding roll</p> <p>Electromagnetic brake from Taiwan</p> <p>Automatic cutting &amp; gluing unit</p>
<b>Controlling Section</b>
<p>Siemens PLC &amp; HMI from Germany</p> <p>All the parameters are displayed on the monitor</p> <p>Low voltage electrical appliances all from Schneider</p>

Name	Model	Pieces	Remark
Computer System	PLC(Siemens)+HMI	1 Set	Siemens
Motor		2 Sets	Siemens from Germany
Frequency Inverter		2 Sets	YASKAWA From Japan
Unwinding Shaft	Shaftless Unwinder	1PC	
Rewinding Shaft	0.5" 1" or as your request	4pcs	Each size 2pcs
Upper/Lower Round Knife		24 Sets	Standard Quality
Magnetic Brake		1 Set	From Taiwan
Sensor		2 Sets	
EPC	CCD Sensor	1 Set	One for marginal, another for color code
Tension Control		2 Sets	
Low Voltage Electrical Switch			SCHNEIDER
Blower		1 Set	1.5KW
Cylinder			Airtac from Taiwan
Air Pressure Valve			SMC from Japan
Relay			CHNT
Spacer	As your request	Enough	As your request
Banana Roller		Chuck	Taiwan
Chuck	Self expandable chuck	1 Set	Taiwan

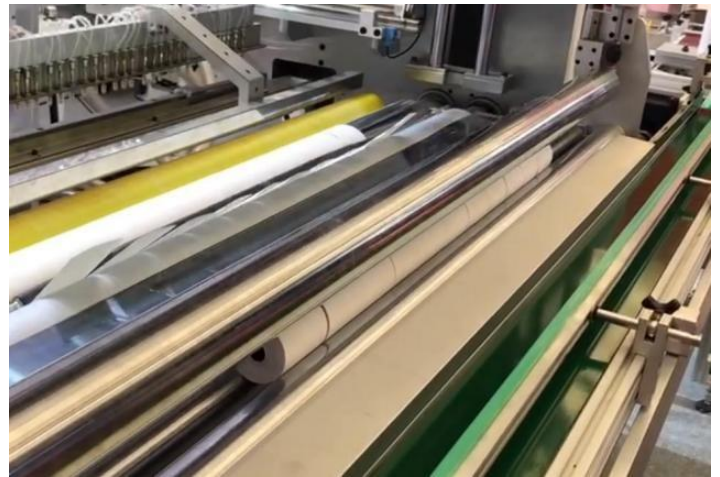
Suckers Loading Cores



Servo Motor Control



Auto Tail Cutter





Banana Roller

Rotary wheel adjust the blades position



Breaker

Hammer



POF Film Wrapping Machine



Full Automatic-450LA

Parameters		
<b>Power</b>	220V 50/60Hz ≤2kw	
<b>Sealing System</b>	<b>Heating source</b>	Using stainless steel heating tube, long service life
	<b>Seal knife</b>	Adopting anti-sticking and high temperature resistant alloy sealing knife, the outside of the knife is coated with DuPont Teflon non-stick film
	<b>Sealing nife temperature control</b>	Adopting Japanese "OMRON" digital display temperature controller and imported heat sensitive response control, air temperature -300`C adjustable
	<b>Sealing knife size</b>	The width is adjustable by manual wheel, the height is 5-125mm; Sealing knife size; L550xW450mm
	<b>Knife protection</b>	Adopt Korean Autonics. Effectively prevent mis-sealing of packaging objects
	<b>cylinder</b>	Adopt Korean Autonics. Effectively prevent mis-sealing of packaging objects
<b>Conveyor System</b>	<b>Belt</b>	Germany Sieglin PU conveyor belt
	<b>Motor</b>	Taiwan "Li Ming" guarantees smooth transportation
	<b>Detect</b>	Adopt American "Bonner" photoelectric sensor to accurately and sensitively detect the stop of product conveying
<b>Rcyling System</b>	<b>Motor</b>	Taiwan "Li Ming" guarantees accurate and uniform recycling of waste
	<b>Sensory switch</b>	Adopt Taiwan FATEK to accurately control the waste recycling time
	<b>Motor</b>	Taiwan "Li Ming" guarantees smooth film delivery

<b>Film feeding system</b>	Sensory switch	Taiwan FATEK, accurate control of film length
<b>PLC</b>	Yonghong	
<b>Touch screen</b>	Yonghong	
<b>Contactora</b>	SCHNEIDER	
<b>Intermediate relay</b>	Siemens	
<b>Thermostat</b>	Omron	
<b>Emergency switch</b>	Siemens Germany	
<b>Minimum packaging size</b>	L≤90MM (all products are within the effective regulation) (closed type size is OK)	
<b>Packing range</b>	H≤135MM L=L+H≤490MM W=W+H≤400MM (all products are within the effective regulations)	
<b>Mechanical Dimensions</b>	1800*850*1525 (The specific size of L*W*H is subject to the actual product)	
<b>Packing speed</b>	Depending on the size of the package (0-18 pcs/min)	
<b>Air pressure</b>	5.5KG/cm <sup>2</sup>	
<b>Surface treatment requirements</b>	The surface of anti-corrosion structural material is sprayed or nickel-plated	

**SF-4525 Heat shrink machine**

<b>Parameter</b>	
<b>Furnace size (mm)</b>	L1000*W450*H250
<b>Temperature (°C)</b>	Air temperature -200
<b>Workbench height (mm)</b>	820±50MM
<b>Packing speed (pieces/min)</b>	1-20
<b>Net weight of shrink machine (kg)</b>	280
<b>Shrink machine power (kw)</b>	9
<b>Maximum packaging size (mm)</b>	L400*W300*H10-130;
<b>power supply</b>	3PH 380V 50HZ
<b>Applicable shrink film</b>	POF or cross-linked film
<b>Shrink film thickness (mm)</b>	0.0075-0.038
<b>Appearance mechanical size (mm)</b>	L1300*W750*1600

**Main performance:**

This machine is composed of governor conveying, constant temperature heating electromechanical integration.
This machine adopts automatic temperature control, hot air constant temperature circulation, and air duct system energy saving and high efficiency.
The original digital display thermostat, the temperature is accurate, and the shrinkage temperature can be directly seen..
Conveying stepless speed regulation conveying more stable, super large air volume cooling air flow, shrinking and shaping.
The constant temperature circulating air duct system makes the temperature in the shrinking chamber more uniform, so that the shrinking product achieves the best effect.

The use of chain roller conveying can use different material conveying structures according to different products.

**2.3. Main components (the selection of electronic control system):**

Parameter	
Shrink machine motor	Taiwan State (CPG) (Taiwan)
Thermostat	OMRON (Japan)
Power switch button	Siemens (Germany)
Relay	Schneider (France)
Circulating motor	TONGTAI (Taiwan)
Contactor	Schneider (France)

**Packing Machine Details:**



**Samples:**



## FAQ

1. How many Rods are required per size for a complete Auto Process.

Are you meant how many rolls per Rod, or how many Rods per one minute?

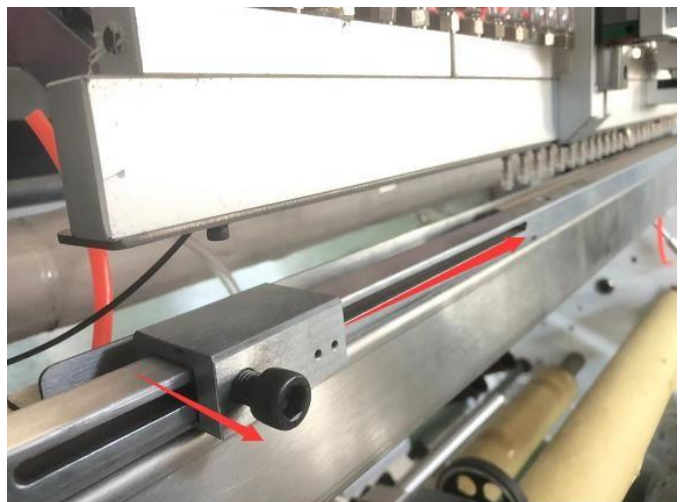
It depends on your jumbo roll width and small rolls sizes.

For example:

Your jumbo roll width 900mm, cut 57x50 rolls, you can get 16 rolls per Rod, 3 Rods per minute, so 48 rolls per minute.

2. Do we need Separate rods for every Core Size?

Our full auto machine adopted shaftless core loading system, there is no rewind shaft in machine, no need prepare separate rods for cores. The cores common sizes 13,17,25mm, our core loader and cores loading path fit with all common sizes.



3. How can we set the length of the roll?

Touchscreen set the length, there have meter counter and PLC control the rewinding length.

Return		Screen Control		I/Q Supervision		Parameter Setup	
Motor speed		0000.0 m/mi		Total Length		0000000.0 m	
Current meter	000000.0 m	Clear		Total number	000000 p	Clear	
Preset length	000000.0 m	Light off		Carton number	0000 p		
Deceleration preset	000000.0 m	Blower off		Total number	0000000 p		
Marking start	000000.0 m	Glue off					
Marking length	000000.0 m	Cutter off					
Inverter fault		Emergency button is not reset					

4. How can we set the width of the paper roll if the jumbo roll is smaller in width.

Machine adopted shaftless hydraulic loading system, remote control, after you loaded the jumbo roll, you can move the jumbo roll position to adjust it to a right position, very easy.



5. How does it apply the glue and where to connect? Is there a container where it picks up the glue

Yes, there is a glue container on machine, please check the picture, we will send video to teach you how to add glue. No need connect, we connected it before ship.



6. For paper cut there are blades? How often they need to be replaced?

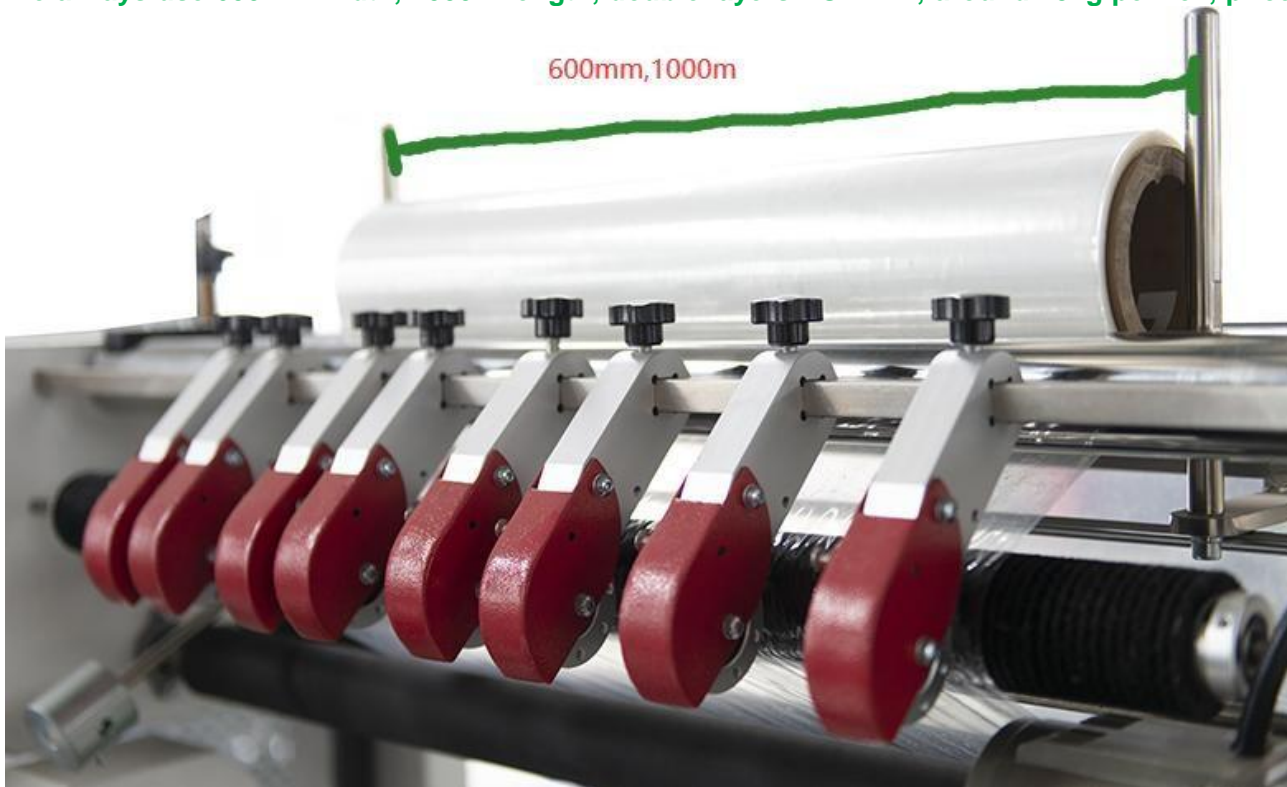
It depends on your operating frequency, usually upper blades 10-18 months, lower blades 2 years.

Machine installed 16 set blades.



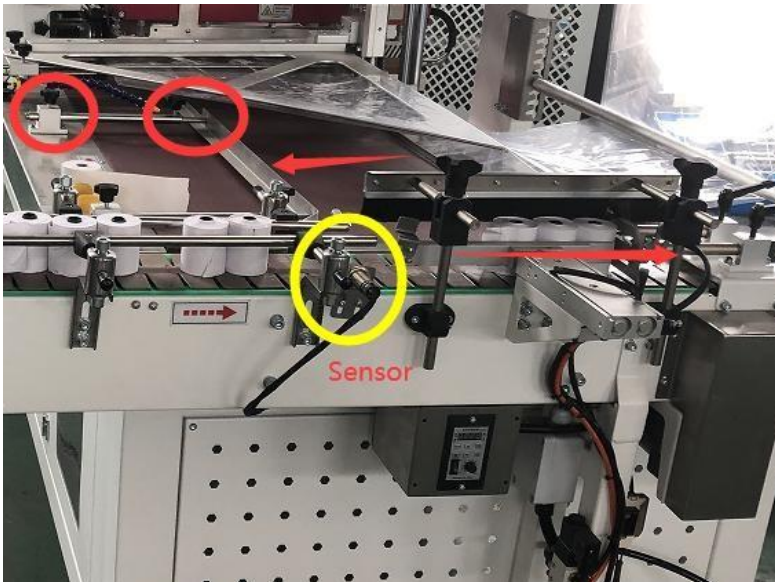
8. Packaging POF is of what size?

We always use 600mm width, 1000m length, double layers POF film, around 13kg per roll, price ~\$4/kg



9. How can we set the packaging roll numbers or lines. If we need only 3 rolls per package or we might need 5 rolls , or we might need 5 rolls but two lines in a package.

One line or two lines preset by touch screen, 3 rolls or 5 rolls per line means different packaging width, manual adjust the packaging width, as I marked, all are moveable. There have a sensor, when he caught the last roll passed, it will auto move and packaging.



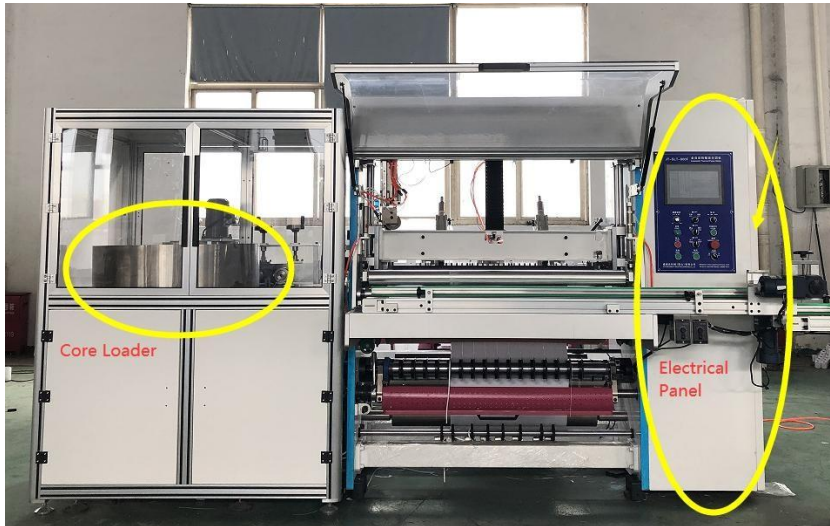
10. Will the same POF can be used for any number of rolls.

Yes, it can. There have auto wastage trimming function in packaging machine. But most customers package 5 rolls per line, one line or two lines. If you packaging 3 rolls per line, maybe have big wastage of pof film.



11. Where in the machine is the Electrical panel and what is required to connect

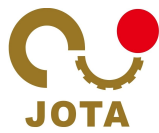
The Electrical panel on the left side of machine, all are connected, just need one cable to connect the main switch and your plant's power.



12. Is there a cover where all cores are stored and moved?

There have a core container, check the picture.





**Machinery Company Pty Ltd**

## About **JOTA** Machinery

As a company whose target is always win-win together with clients, each professional staff of **Rolltech Machinery Industrial Co** stands by 24h a day to assist customers explore their deep requirements based on our knowledge & experience, then provide most suitable solution for clearing our customer's long-standing pain point, backs up them bravely taking the step of changing their current status.

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