

SM FP1000-2C Two color Flexo Printing Machine



Feature:

1. The flexo printing machine adopts the anilox rollers to spread ink. which is characterized by wearable, rust-resistant and long using life, etc. It can improve the printing efficiency.
2. Unwinding and rewinding of the flexo printing machine is controlled by magnetism power brake and asynchronous servo motor. Unwinding Tension controller is automatic constant type.
3. Printing unit of the flexo printing machine adopt 360° to regulate for registration.
4. Each printing unit of the flexo printing machine has one IR drier. UV dryer can be optional.
5. The rubber roller of the flexo printing machine can break away automatically while parking, and running at a low speed, in order to avoid water being dried.
6. The main motor of the flexo printing machine is adopted the import step-less regulation of frequency conversion.
7. Unwinding and rewinding shaft adopt air shaft, it's convenient to change load and unload the material.
8. Unwinding, printing, IR drying and rewinding of the flexo printing machine can be finished in one process, this kind of printing machine is best for each printing companies to print on adhesive-paper labels, paper cup, aluminum foil, plastic film, etc.

Main technical parameter:

Model	SM FP1000-2C
Max. printing speed	50-60m/min
Printing color	2 colors
Max paper roll width	1010mm
Max printing width	1000mm
Max unwinding diameter	1300mm
Max rewinding diameter	1300mm
Printing girth	175-380mm
Chromatography precision	±0.15mm
Machine Dimension	4900*2000*2250mm
Weight	5300KGS



Main configuration:

Parts Name	Brand	Quantity
Standard machine configuration		
3 inch air expanding shaft for unwinding and rewinding		Total 2 pcs (unwinding 1pcs, rewinding 1pcs)
Hydraulic lifting system for unwinding and rewinding		2 set (unwinding 1set, rewinding 1set)
Main motor 4kw		1 set
Magnetic brake 50N For unwinding bottom roller		1Pcs
Magnetic brake 200N For Unwinding		1Pcs
isolate IR dry units		2 units
printing rollers		2 pcs
ceramic anilox rollers		2 pcs
doctor blade		2pcs
Bottom mat		20pcs
gear reduction motors		2 pcs
temp control		2 units
Hydraulic pump		1 set
Main electrical component		
Web-guiding system on unwinding part	ZXTEC, China	1 set
Unwind automatic tension control	Zhongxing,China	1 set
Solid state relay	ZHCE, TAIWAN	2pcs
Asynchronous Servo driver	China	1 set
buttons	Schneider/Delixi	
Air switch	Delixi,China	
Frequency inverter 7.5KW	Schneider,France	1pcs
AC contactor	Delixi,China	
Asynchronous Servo motor for rewinding tension control		1 set
Tool box		1 set
Screen	INOVANCE,CHINA	1 set



Quotation of Optional Configuration:

Name	Featured/Option
<p>Metal Corona treatment (for ppc and double pe coated paper)</p> <ul style="list-style-type: none"> ● it can increase ink amount on material surface, easy to be color, if material is coated with film, or film material,all must be added this device ● It only treats single side ● Aluminum foil need use ceramic material corona treatment, the price is different from metal material corona treatment. 	<p>Optional – Extra charges</p>
	
<p>PLC touch screen</p>	<p>Optional – Extra charges</p>
	



Video monitor

- It can clearly check printing register, whose help operator to check if each color mark position is correct
- With LCD monitor
- Camera and slideway and Wire Control Keypad

Optional – Extra charges



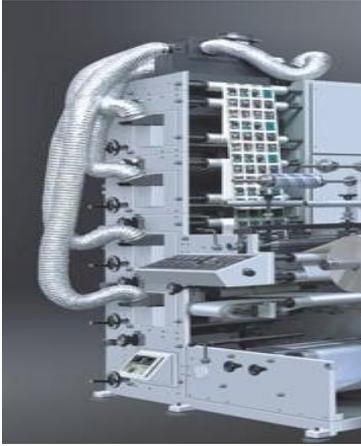
UV device

- This UV device adopt mercury light
- With 1 air pipe and independent control system
- With 1 UV lamp UV curing box and 2 UV lamps box.
- Cooling method: air cooling
- If you print film type material tape,aluminum foil,pearl film, etc, it need UV dryer

Optional – Extra charges



- Need use UV ink/paints

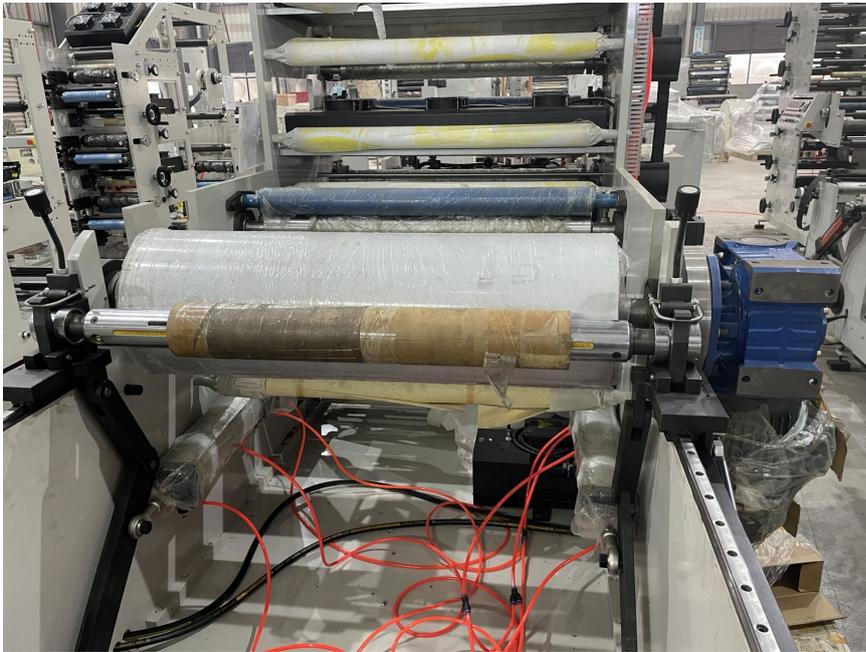


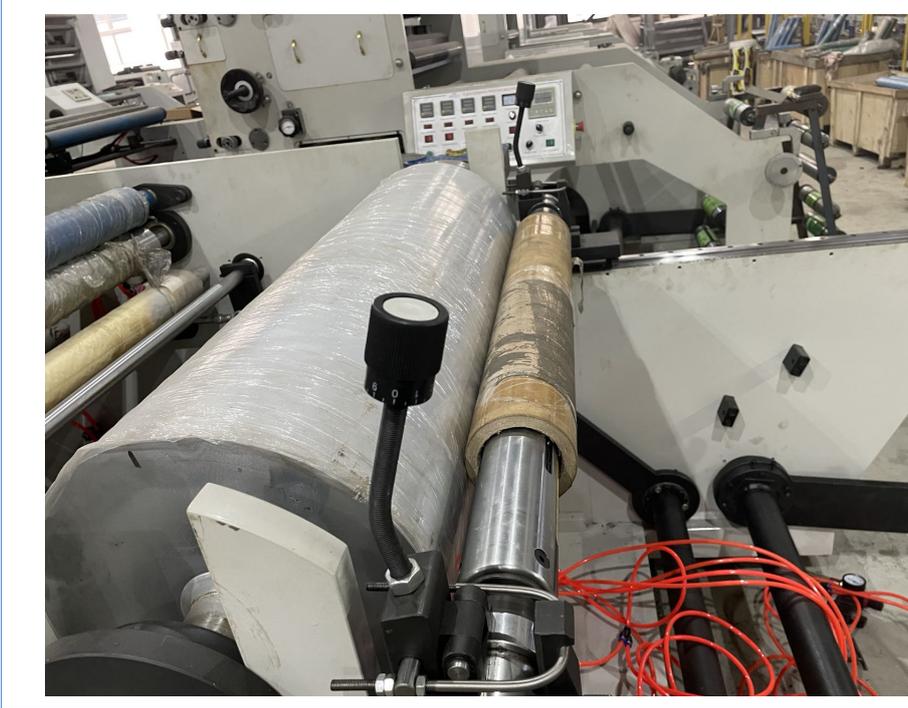


Rewinding section changed into friction rewinding

- This suitable for rewind thinner thickness material such as plastic film, paper, aluminum foil, etc.
- With rewinding motor
- With pressing drum roller and 3" air expanding shaft
- With automatic uploading device

Optional – Extra charges



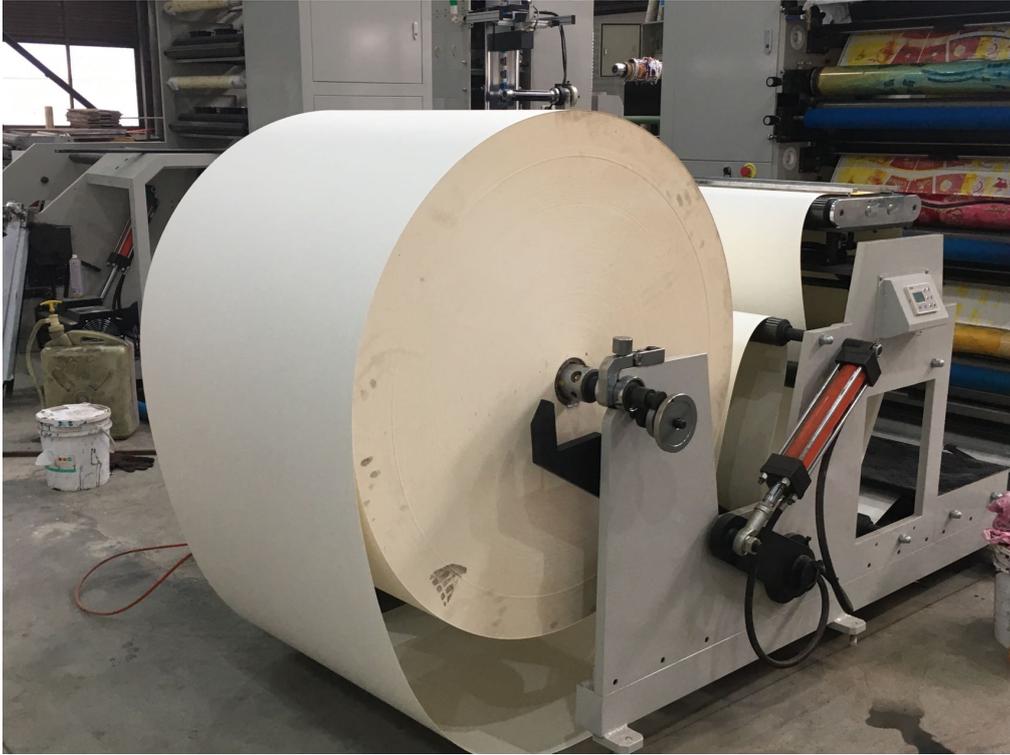


More machine details:

Unwinding section

- With 1pcs 3" air expanding shaft
- With automatic lift-up uploading device to load heavy material
- With web guide to correct material offset movement
- With automatic constant tension controller
- Maximum unwinding diameter is 1300mm



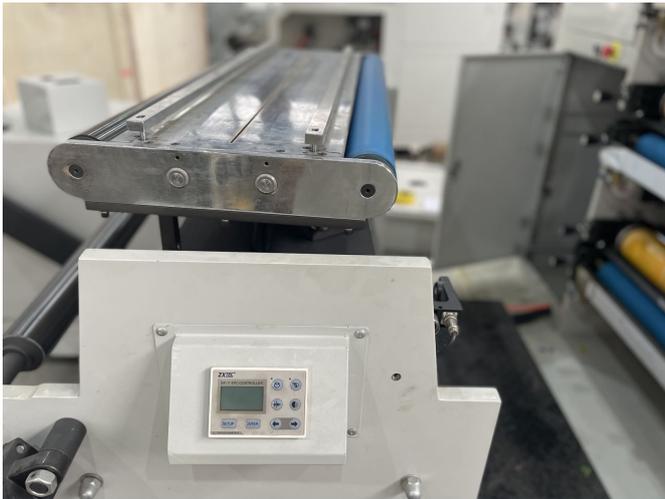


Auto web guide system

- Electronic paper web guide traction device, there was a small material web movement, the system can accurately continuously revised.

Hydraulic lift-up loading system for unwinding and rewinding

- it use to load heavy material to unwinding location or unload on the ground



Electric cabinet



Control panel



Automatic constant tension controller for unwinding

- There has 1 set automatic tension controller and magnetic powder to control unwinding
- Our advantage add magnetic brake on bottom roller to increase resistance

Asynchronous Servo Motor

- Control rewinding tension(specially big roll)





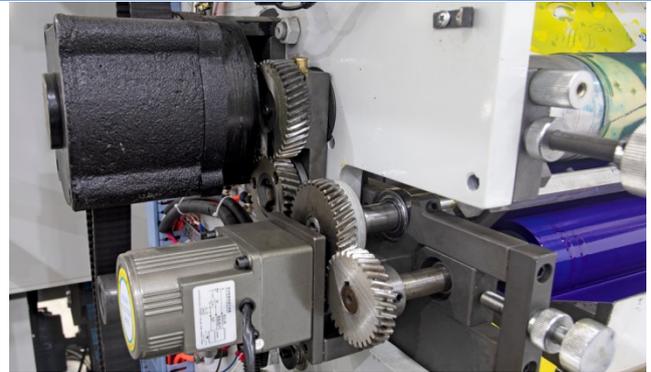
Asynchronous Servo Motor control rewinding

Printing unit

- one unit printing station has come with one pcs printing cylinder, one pcs ceramic anilox, one pcs ink rubber roller and one pcs impression roller, one pcs ink container and one pcs scrapper blade
- Vertical overprint adjustment can be adjusted by 360° handwheel.
- Horizontal overprint adjustment can be adjusted by handwheel.
- Helical gear

Printing gear group

- Use helical gear
- Printing unit all has with gear reduction box





Flexo plate



**Flexo plate making machine
(Optional)**



Printing cylinder stucked with Flexo plate

output



**Flexo plate mounting machine
(Optional)**





Flexo Plate can be glued on printing cylinder by this machine

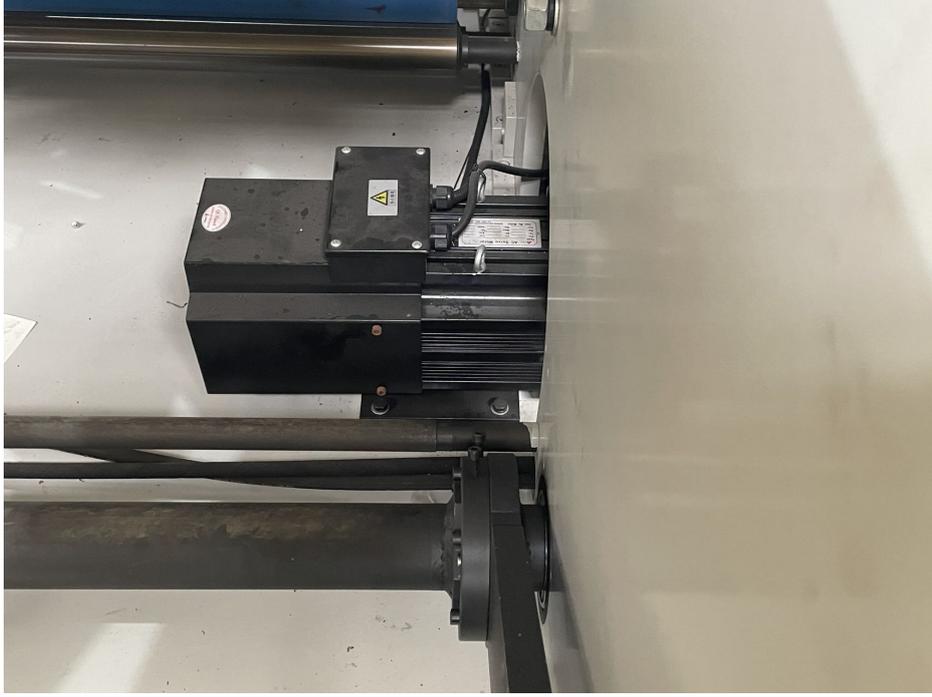


Drying Oven device

- each color has equipped with infrared heating dryer
- Infrared heating drying oven is placed on material and after each printing station.
- Heating lamp is fixed in each Infrared Heating Drying Oven.
- Optional can use UV / LED UV Drying Oven.



Main motor



Transmission

- machine mainly using synchronous belt to be drive





Rewinding device

- equipped with 1pcs 3" air expanding shaft
- with Asynchronous Servo motor to control rewinding tension, tension setting is on control panel.
- With automatic lift-up loading device on rewinding section
- Maximum rewinding diameter is 1300mm



Machine picture :





Samples pics:



ECG roll



Paper cup



Plastic film





Label sticker



Sandwich wrapping paper



Packing box



Paper bag



Takeaway box



Paper box



Communication Details



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