



HRYC-330-4 color flexo printing machine



Machine in picture has delam and relam, cold stamping, turn bar, lamination, die cutting station, conveyor, and UV dryer, just as reference.

A. DESCRIPTION

a. Unwinding unit and rewinding unit

- unwinding tension is controlled by magnetic powder.
- stop when material run out.

b. Web guiding system

- with splicing table
- The paper guide roller adopts high hardness anodized
- adopt the ball screw electric actuators
- electric guiding device, system can correct when paper goes skewing.
- detection mode: check the edge.
- Precision: $\pm 0.1\text{mm}$



c. Feeding system

- double press rubber roller to feed paper

d. Printing unit

- adopt belt for driving
- pneumatic for opening and closing anilox roller and printing roller
- adopt ceramic anilox roller. One set. **Decide by customer**
- printing roller is made by aluminum. One set. **Decide by customer.**
- no need to adjust again when you change the doctor blade and anilox roller.
- stainless steel ink box.
- adopt the petals structure, stable pressure and faster changing without any tool.
- printing plate automatically cleaning function: printing roller keeps rotating for 1.5s to pass the ink to paper when machine is stopped each time, it can make plate clean.
- anilox roller rotate itself function: anilox roller will rotate itself when machine is stopped, it will avoid ink dry on face of anilox roller.
- gear mode: cp1/8

e. Dryer system

- IR dryer 8 pcs

f. Vision system

- take photos of printing products, can be moved to left or right.
- enlarge the image for inspection

g. Automatically stop when printing job is over

h. PLC + touch screen

i. Rotary die cutting unit: 1

j. Slitting unit: 1



B. MAIN TECHNICAL PARAMETERS

1 Maximum diameter on unwinding	700mm
2 Printing repeat	180mm-600mm
3 Maximum width of material	340mm
4 Maximum printing width	330mm
5 Power of main motor	15KW
6 Voltage requirement	380V 3PH 50Hz

if different, please kindly inform us

7 Machine speed	0-150m/min
8 Plate thickness	1.7mm or 1.14mm
9 Plate mounting tap	0.38mm
10 Printing precision	±0.12mm
11 Printing cylinder	4 pcs
12 ceramic anilox roller	4 pcs



C. CONFIGURATION

Name	Type	Brand
PLC	214-1AD23-OXB8	Siemens
Touch screen	7"	Weinview, Taiwan
Module	EM232	Siemens
PG-B3		Yaskawa, Japan
Main motor		Siemens
Converter		Yaskawa, Japan
Magnetic powder on unwinder		Huaguang, Zhejiang
Tension controller on unwinder		Mitsubishi, Japan
Magnetic powder on rewinder		Huaguang, Zhejiang
Tension controller on rewinder		ZXTECH
Web guiding		Paulsource, Taiwan
Vision system		Sichangao, Shenzhen
Power switch		Meanwell, Taiwan
Pneumatic component		KOEGEL
Rolling element		Import brand
Synchronous belt		Most is import brand
Anilox roller		Shanghai brand
Low voltage electrical appliances		Chint or schneider