

JB SERIES 3/4 AUTO SCREEN PRESS :

Brief introduction:

The machine is composed of printing part、take off set machine and UV dryer. It is a 3/4 automatic line which the printing stock is fed by hand、taken off automatically.

After the printing finished and the printing arm put up, the mechanism arm of take off set machine will extend into between the arm and the plane, suck and pull out the printing stock, then send it to next working procedure(drying、solidify or collection). It' s not only can save the man, but also improve the using efficiency of the machine. It' s fit for the flexible material, such as paper product.

The printing main part of this printing line is JB Series microcomputer screen press, herein we recommend JB-750C/960C/1020C or JB-750 II /960 II /1280 II Horizontal-lift Half-tone screen printing machine; the tilted arm type also can be used, but as the influence of the working type(the printing arm is open and closed, but not up and down lift), the max. working speed of the printing line just is up to 500~600 sheet/h.



JB-750II/960II/1280II

JB Series Horizontal-lift Half-tone Printing Machine

Using range:

It's designed for meeting the printing need of printing stock which is not easy to distort. The machine can be used for screen printing of many plane bodies, such as paper, plastic, glass, ceramics, metal, textile, and leather, etc. Especially fit for printing of electron field PCB, flexible PCB, PCB liquid sensitive glue, SMT tin paste.



Printing machine Characteristic:

1、The printing head goes up and down vertically along the back main part, operated expediently and occupies little acreage. The worm reducer motor with frequency conversion driven which can ensure it goes up and down quickly and stably; High precision preload linear lead rail is used with “ITALY MEGADYNE” in-phase belt, frequency conversion timing drive the speed reducer motor, which make the whole machine more stably and credibility and can get more higher movement precision;

2、The printing table is fixed in the machine frame by support table, the distance between screen frame and table is achieved by adjusting the height of main printing arm the stable degree is better than other model. The table surface is made of stainless steel and it's hard to scratch and distort, and plane degree of work table is less than 0.20mm, which ensure the printing pattern much more equal and clearer;

3、The inching and lock device of the table is separately which eliminate the error caused by lock of table;

4、Two cylinders control the movement of squeegee and ink reclaim blade separately, the pressure is large and equal and can be stepless-regulatd separately which increase the service life of the half-tone and printing quality;

5、The printing course control adopts the inductive switch,

which can move quickly and locate on guide line, the fixation mechanism of screen frame also can be adjusted quickly, which reduce the time of exchanging frame and printing and increase the work efficiency;

6、 There is snap-off device, and the height of snap-off can be adjusted, which ensure the printing precision and quality of products;

7、 The run of whole machine is controlled by the PLC. The printing time and printing delay both can be adjusted and shown instantly. The speed of printing and ink returning can be adjusted quickly; There is the safe system of rising back urgently which to protect the safe of worker.

Main technical variables:

Model	JB-750 II	JB-960 II	JB-1280 II
Max. printing dimension (mm)	500×700	600×900	800×1200
Max. screen frame dimension (mm)	800×1080	900×1280	1100×1580
Table dimension (mm)	600×900	700×1100	900×1400
Max. Printing speed (t/h)	1200	1200	900
Overprint precision (mm)	≤ 0.10	≤ 0.10	≤ 0.10
Paper thickness (mm)	~ 40	~ 40	~ 40
Instant snap-off height (mm)	0 ~ 20	0 ~ 20	0 ~ 20
Power	3P 380V 2.45KW	3P 380V 3.7KW	3P 380V 4.9KW
Total weight (Kg)	600	750	900
Overall dimension (mm)	1500×1080× 1700	1500×1180× 1700	2000×1280× 1700

Configuration List Of Model II

No.	Name	Qty	Manufacturer	Remark
1	PLC	1	Japan Omron	
2	Inverter	1	Japan MITSUBISHI	Printing
3	Inverter	1	MITSUBISHI	Up and down
4	Exhuast	1	Qiangli Motor	
5	Speed reducer	1	Ziguang	Printing
6	Speed reducer	1	Taiwan Liming	Up and down
7	Time relay	1	Japan Omron	
8	Counter	1	Japan Omron	
9	Hot relay	1	France Sehneider	
10	AC relay	1	Sehneider	
11	Micro-relay	5	Sehneider	
12	Breaker	3	Sehneider	
13	Press/knob button	6	Sehneider	
13	Jiggle switch	4	Sehneider	Return up
14	Emergency stop switch	1	Hongbo	
15	Small button	6	Hongbo	
16	On-off power	1	Taiwan Mingwei	
17	Inductive switch	4	H. W. L	Printing
18	Slot shape photoelectricity	6	Japan Omron	Up and down exhaust
19	Cylinder	1	Japan SMC	Snap-off
20	Cylinder	1	Japan SMC	Blade up
21	Cylinder	2	Japan SMC	Print and ink reclaim
22	Electromagnetism	1	Japan SMC	Exhaust
23	Electromagnetism	3	Japan SMC	Printing/ink reclaim Snap - off
24	Gas and liquid changer	1	Japan SMC	
25	link rod	1	Japan SMC	
26	Lead rail	2	Taiwan ABBA	Printing
27	In-phase belt	1	Italy MEGADYNE	

Note: The configuration of 750 II /1280 II almost are the same, just the dimension is different of some spare parts.

Introduction of Automatic take off set machine:

Brief characteristic:

Automatic take-off set of screen press and semi-automatic screen printing press are used together, the finished products are caught up and taken out from the printing plate by manipulator and suction mouth, and delivery to next process(drying、solidifying or collecting).It can not only save the manpower, but also improve the using efficiency of the semi-automatic machine. It is fit for screen printing with soft materials, such as paper.



Main technical variables:

TOP SPEED	1200 pcs/h
SPECS OF PAPER	700 mm(W) 500g
HEIGHT OF SUCTION MOUTH	950~1000 mm
POWER	220V 350 W
WEIGHT	350 Kg
SIZE	2100×1100×1100 mm

Configure list of take off set machine

NO.	NAME	QTY	MANUFACTURER
1	Take off Motor	1	TAIWAN CHENGBANG
2	Feeding motor	1	FUTAI MOTOR
3	PLC	1	JAPAN OMRON
4	Inverter	1	JAPAN OMRON
5	Middle relay	2	FRANCE SCHNEIDER
6	Button switch	6	FRANCE SCHNEIDER
7	DC timing	1	TAIWAN T. W. T
8			
9	Cylinder	2	TAIWAN AIRTAC
10	Vacuum cupula	2	TAIWAN CHELIC
11	Vacuum cupula	2	TAIWAN CHELIC
12	Vacuum happener	1	TAIWAN CHELIC
13	Electromagnetism valve	2	TAIWAN AIRTAC
14	Connection part	1	TAIWAN AIRTAC
15			

It' s just for reference; please note the real configuration.

Brief introduction of UV drying:

JB-800B UV Photofixation Machine is used with the screen printing machine and the offset printing machine, curing any kind of screen printing ink. It's abroad used in the process of drying, dehumidifying and solidifying for the field of screen printing, printing and dyeing, plating, electron plugboard and etc.

Main technical variables :

Width/length in thermostatic zone	800/1000mm
Paper for warding speed	0-35 m/min
UV power	5.6 KW×2
Machine weight	550Kg
Overall dimension	2100×1050×1200 mm