



EX-1450F 5 Ply 3 in 1 F Type Automatic Flute Laminator



Specification:

Model	EX-1300F	EX-1450F	EX-1600F
Max paper size	1300x1200mm	1450x1200mm	1580x1200mm
Min paper size	520x520mm		
Face paper thickness	150-600gsm		
Bottom paper	A/B/C/E/F/G 2ply flute		
Precision	1.5mm		
Max Speed	6000pcs/h		
Height of face paper pile	1600mm		
Face paper table capacity	1500kg		
Height of bottom 2ply pile	400mm		
Total power	20kw		
Servo QTY	2		
Operation way	AUTO SET		
Dimensions	15x2.2x2.6m	15x2.4x2.6m	
Machine weight	5000kg	5500kg	



Our advantage:

- 1- 2 servo motor
 - 2- Vacuum transfer
 - 3- Fully Siemens electric system
 - 4- Remote control system
- Auto set by HMI and PLC

In order to ensure the safe use of the machine, please connect the ground line according to the requirements.

Introduction:

F series fully automatic multilayer flute laminator is consists of automatic face paper lifting section, face paper conveying section, double bottom paper synchronized or asynchronized conveying section, double bottom paper positioning section, cyclic gluing section, pressing section, delivering section and automatic collecting section. It suits to laminate the printed paper to the corrugated board or cardboard which is thicker than 350gsm, with features of high precision and high speed. It is the ideal laminating machine for all kinds of packaging company domestic and overseas.

Machine structure:

1. Face paper conveying section adopts advanced four sucking and four delivering feeder, with the help of high pressure vacuum pump it can feed the face paper 180-600gsm efficiently. Position displaying hand wheel on the face paper pile loading section makes the loading action more accurate and more convenient for the bottom paper loading at the same time. Limited switch fixed on face paper loading section makes the moving up action more accurate.
2. Conveying belt, pressing roller and automatic chasing lay all do help to the face paper delivery. Pressing roller adopts the specialized roller which is used on print machine, it can delivery both thick and thin paper effectively. Anti-curl structure helps to delivery face paper at the same time.
3. Both bottom paper feeding section adopt vacuum sucking belt with high strength and high friction allowing the non-stop feeding. Rotating paper supporter equipped on this section makes it possible to feed the long sheet.
4. Knurled roller on the bottom feeding part makes sure the stable running when the machine in a high speed.



5. Chasing lay and high-speed axial flow fan differential positioning system is applied on the bottom paper feeding part. You can adjust the front and back position without stopping the machine. Synchronous slot design can control the bottom paper feeding in a minimum range; Chasing lay can make sure a good bottom sheet feeding when the machine is running at a high speed.
6. Gluing system has liquid induction device, glue will be supplied accordingly and will be recycled, glue cost will be reduced greatly.
7. The gluing system in this machine is a combination of anilox type steel roller and rubber glue even roller in which the rubber glue even roller is core structure designed and differential speed gluing method is applied to make a even glue and increase the gluing quality. Averagely 25-35grams glue will be used on one square meter, reducing the cost and improving the laminated paper board quality.
8. Both bottom paper and face paper adopt front elastic registration lay so that there is no need to readjust for big or small paper. The intelligent control system makes it possible to adjust the face paper position automatically when the machine is in running. The digital instrument on the front lay part can make the front lay adjustment range to 0.1mm.
9. Photoelectric detector helps the conveying of top or bottom paper accurately..
10. Grooved steel positioning wheel has long service life and easy to clean.
11. Double pre-pressing roller are equipped on the laminating unit.
12. Automatic damping system is applied on the bottom sheet feeding system to prevent the curving of the laminated sheet.
13. Two pressing conveyors with differential speed are equipped on the machine to prevent air bubble and gluing failure problem.
14. Floating type pressing conveyor makes it possible to adjust the pressure according to the paper board thickness. The pressed paper board is solid and strengthen.
15. Automatic collecting device can reduce the labor intensity effectively.
16. All the electrical components are imported; PLC and HMI control system are safe and reliable. Many control knobs are equipped on the machine according to the ergonomics allowing you to control the machine in different position; machine speed is controlled by the frequency converter which makes the machine run stably.
17. Machine is driven by imported timing belt and wheel gear with high efficiency, low noise and stable running status. Low production cost and convenient maintenance.



Configurations:

NO.	名称 NAME	型号 MODEL	厂家 BRAND
1	变频器 INVERTER	V20 4.0 KW	西门子 SIEMENS
2	变频器 INVERTER	V20 4.0 KW	西门子 SIEMENS
3	变频器 INVERTER	V20 4.0 KW	西门子 SIEMENS
4	变频器 INVERTER	V20 2.2 KW	西门子 SIEMENS
5	变频器 INVERTER	V20 1.5 KW	西门子\ SIEMENS
6	可编程控制器 PLC	smart 200 ST40	西门子 SIEMENS
7	人机界面 TOUCH SCREEN	smart V700 IE	西门子 SIEMENS
8	接触器 CONTACTOR	3TS30 01E	西门子 SIEMENS
9	接触器 CONTACTOR	3TS30 01E	西门子 SIEMENS
10	接触器 CONTACTOR	3TS30 01E	西门子 SIEMENS
11	接触器 CONTACTOR	3TS30 01E	西门子 SIEMENS
12	接触器 CONTACTOR	3TS30 01E	西门子 SIEMENS
13	电机热保护 THERMAL PROTECT	3UA59 40-2A	西门子 SIEMENS
14	电机热保护 THERMAL PROTECT	3UA59 40-2A	西门子 SIEMENS
15	电机热保护 THERMAL PROTECT	3UA59 40-2A	西门子 SIEMENS
16	电机热保护 THERMAL PROTECT	3UA59 40-1E	西门子 SIEMENS
17	电机热保护 THERMAL PROTECT	3UA59 40-1E	西门子 SIEMENS
18	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
19	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
20	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS



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21	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
22	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
23	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
24	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
25	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
26	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
27	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
28	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
29	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
30	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
31	中间继电器 RELAY	ZYS4N-JDC24V	西门子 SIEMENS
32	空气开关 AIR SWITCH	5SP4391-7 C100	西门子 SIEMENS
33	空气开关 AIR SWITCH	5SY6106-7CC C6	西门子 SIEMENS
34	按钮 BUTTON	LA39-B2-11/r-GT	西门子 SIEMENS
35	按钮 BUTTON	LA39-B2-11/r-GT	西门子 SIEMENS
36	按钮 BUTTON	LA39-B2-11/r-GT	西门子 SIEMENS
37	按钮 BUTTON	LA39-B2-11/r-GT	西门子 SIEMENS
38	急停 EMERGENCY	LA39-A1-11Z/r	西门子 SIEMENS
39	急停 EMERGENCY	LA39-A1-11Z/r	西门子 SIEMENS
40	急停 EMERGENCY	LA39-A1-11Z/r	西门子 SIEMENS
41	旋钮 SWITCH	LA39-b2-11X/k	西门子 SIEMENS
42	旋钮 SWITCH	LA39-b2-11X/k	西门子 SIEMENS
43	旋钮 SWITCH	LA39-b2-11X/k	西门子 SIEMENS
44	旋钮	LA39-b2-11X/k	西门子



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	SWITCH		SIEMENS
45	旋钮 SWITCH	LA39-b2-11X/k	西门子 SIEMENS
46	指示灯 LIGHT	APT	西门子 SIEMENS
47	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
48	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
49	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
50	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
51	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
52	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
53	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
54	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
55	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
56	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
57	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
58	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
59	中间继电器座 RELAY SOKET	13Y9W1	欧姆龙 OMRON
60	光电传感器 SENSOR	E3FA-DN12	欧姆龙 OMRON
61	光电传感器 SENSOR	E3FA-DN12	欧姆龙 OMRON
62	光电传感器 SENSOR	E3FA-DN12	欧姆龙 OMRON
63	光电传感器 SENSOR	E3FA-DN12	欧姆龙 OMRON
64	伺服 SERVO MOTOR	SV-DB100-1R5-4-1R	英威腾 INVT
65	制动电阻 BRAKE RESISTER	500 瓦 50 欧姆	合资 CHINA
66	伺服 SERVO MOTOR	SV-DB100-1R5-4-1R	英威腾 INVT
67	制动电阻 BRAKE RESISTER	500 瓦 50 欧姆	合资 CHINA



QUALITY ASSURANCE AND SERVICE ASSURANCE:

1. The product design obeys the user's opinion, constantly improves, and ensures the stability and humanization of the whole machine from the design point of view.
2. The company's quality control department to purchase, processing, assembly of all aspects of quality supervision and management, multi-angle management to ensure the implementation of the company's product quality management.
3. The company quality control department to each finished product in accordance with the factory product standards for inspection.
4. Strong technical strength and efficient after-sales service team guarantee to solve all kinds of problems in the process of customer use, perfect quality information feedback management, make the product improve quickly, and always be in the leading position of technology.

