



WENZHOU FEIHUA PRINTING MACHINERY CO.,LTD

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Company Introduction

Wenzhou Feihua Printing Machinery Co., Ltd and Whenzhou Glory Packing Materials Co., Ltd have more than 20 years of post-press equipment manufacturing experience, specializing in the production of laminating machines, full-scale coating machines and pre-coating films. A professional company integrating scientific research, design, manufacturing, sales and service! The company has won market recognition for its excellent quality and enthusiastic service. The equipment is exported to Europe, America, Southeast Asia, Africa and other 40 countries around the world. It has established sales and service outlets and is using: "Feihua" brand equipment! After-sales service and sales outlets have been established all over the country to provide customers with efficient and fast service.

The company practices the core values of "customer-centric", "creating quality products" and "cooperation and win-win"!

Machine/material integration research strategy, more professional focus on lamination, glazing paper decoration solution/optimization solution!

Machine/material integration research strategy, more professional focus on lamination, glazing paper decoration solution/optimization plan!

Main products: (Any combination of modular functions)

- **Laminating Machine** (Optional UV dryer, dust removal, double-sided laminating, double lamination, Chian knife, Hot knife, Corona treatment, inkjet., etc)
 - YFM series : Auto/Semi-auto high speed thermal film laminating machine.
 - FH series: Fully Automatic Vertical Multi-purpose Laminator
- **UV Coating Machine** (Optional single head, double head, three head, anylox

roller, corona treatment, dust removal, lengthened dryer., etc)

SGUV series : Automatic UV Coating Machine, Three Head Linkage UV Coating Machine, Digital Printer Inline Coating Machine

SGUV-T series: High Grade Coating Machine (Film replacement oil, matte oil, soft touch oil, anti-scratch oil and other high-grade coatings)

SJUV series: Fully Automatic High-speed Spot UV Coating Machine

Thermal Film

BOPP Matte/glossy thermal film

Special film: anti-scratch film, soft touch film, embossed film and others series



Dual-purpuse High speed coating machine



Lengthened model



Standard model

*The appearance of this machine is for reference. If there is any error with the actual machine, the actual product shall prevail!

FHSG-800A /1200A/ 1200A-L/1450A automatic linkage high-speed coating machine is the first domestic product developed by Feihua, which subverts the traditional rubber roller coating. The latest anilox coating process: completely solve the phenomenon of orange peel and grain!

Features: (Solve high-end quality fine products: water-based oil, soft touch oil, anti-scratch oil, film replacement oil, etc.)

- 一： Large diameter anilox roller direct coating, no need to transfer rubber roller, can ensure the thickness of the oil on the paper, even without orange peel
- 二： The closed scraper is used to circulate the oil inside the oil circuit without outflow of oil, which can effectively reduce oil loss and volatilization.
- 三： The upper and lower rollers are driven by independent motors, without mechanical gaps, which can ensure no streaks in coating.
- 四： The pressing of the rollers is controlled by servo motors, the thickness of the gap is directly set on the touch screen, and the gap is controlled by the servo motor, which makes the control more accurate and the operation easier!
- 五： High level of intelligence, one-key start acceleration, more convenient and efficient than traditional segmented control!
- 六： The shaft head is 55mm large, which is more stable and firmer than the traditional 35mm under high speed, without deformation, and good coating effect!

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一、 Application range:

SGUV series is a practical glazing machine introduced by our company, which can improve printed products: waterproof, dustproof, surface beautification, etc. It is suitable for posters, books, information books, posters, color boxes, color box packaging, etc. Glazing process!

二、 Specification

| Mode | FHSG-800A | FHSG-1200A | FHSG-1200A-L |
|-------------------------|------------------------|------------------------|------------------------|
| Max paper size(W*L) | 760*1050mm | 1200*1050mm | 1200*1450/1650mm |
| Min paper size(W*L) | 270*270mm | 300*300mm | 300*300mm |
| Paper weight | 80-450g/m ² | 80-450g/m ² | 80-450g/m ² |
| Max speed | 8000sph | 8000sph | 8000sph |
| No.x UV lamp | 2*8kw | 3*9.75kw | 3*9.75kw |
| Power | 30kw | 35kw | 35kw |
| No.x IR lamp | 18*1.5kw | 18*1.5kw | 18*1.5kw |
| Toatl weight | 6000kg | 6500kg | 6700kg |
| Overall Dimensions | 10000*1800*2000MM | 11000*2000*2000MM | 13000*2200*2000MM |
| Optional specifications | W 1280*L 1450/1650mm | | |
| | W 1450*L 1450/1650mm | | |
| | W 1650*L 1650/1850mm | | |

The parameters are changed without notice, and the actual product shall prevail.

三、 Detail configuration

1. Automatic paper feeding section

The paper feeder is an important part of the coating machine. The function of the paper feeder is to automatically, accurately, steadily and periodically separate the sheets one by one, and continuously send them to the regular positioning parts.

The paper feeding method of this machine is continuous paper feeding, which has the advantages of high automation, compact structure, good performance, convenient operation, accurate paper feeding and high precision. The main components of the paper feeder are the paper feed bridge, the paper feed head, the stacking table, the lifting system and the transmission system.

- (1) Adopt oil-free vacuum air pump suction system
- (2) High-speed offset press feeder (12000 sheets/hour) to ensure fast and stable operation
- (3) Frequency conversion speed control paper feeding
- (4) The paper feeding table of the production line is positioned and conveyed by vacuum suction to ensure smooth, tidy and stable conveying.
- (5) The upper and lower limit protection devices of the feeding table; manual rapid lifting;
- (6) The paper feeding table automatically replenishes the paper feeding system;

- (7) Attached double sheet controller: double or multiple sheet feeding detection and shutdown system: use the induction of the safety voltage detector to detect double or multiple sheets of paper;

不停机飞达 Non-stop feeder

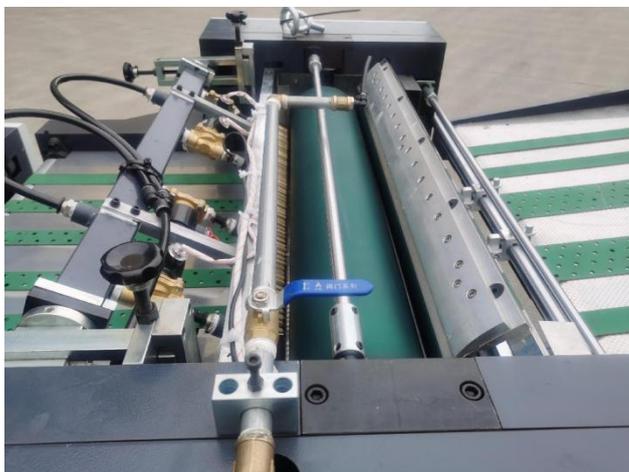


2. Basic oil coating head (with air knife)

The basic head is an important device to ensure that the paper gets a uniform UV layer, which can enhance the adhesion between the ink and the UV varnish.

Basic coating head unit has the following features:

- (1) Apply basic oil to fill the capillaries on the paper surface;
- (2) Increase the adhesion between UV coating and ink; reduce the penetration of the coating to maintain the pure whiteness of the paper;
- (3) Save the consumption of high-grade oil products such as expensive UV oil, touch oil, and film-replacing oil;
- (4) Detachable lower scraper, easy to clean and change the blade, and scrape more cleanly
- (5) The main drive system adopts synchronous belt drive, double bearing pressure-resistant design, precise and durable
- (6) Roll paper failure, automatic stop, automatic alarm.
- (7) Castings are processed in one piece, with strong rigidity, stability and durability!
- (8) Equipped with highly sensitive air knife system (optional) suitable for both thick paper and thin paper coating;



3. IR Curing System

The water-based infrared dryer means that when infrared rays are radiated to the surface of the coating, a part of it is reflected by the surface of the coating, and the rest enters the coating. For thermal energy, the temperature of the coating is increased, which has the effect of accelerating drying.

- (1) It can be used for drying after coating with water or solvent, coating liquid, etc.;
- (2) Inside the oven is a temperature sensor, when the temperature in the light box reaches the set value, it will maintain a constant temperature;
- (3) Cooling fan system, the paper dries quickly and does not stick back; (4) Adopt energy-saving hot air circulation drying method, which saves more electricity;
- (5) No gripper vacuum air suction is attached to the paper, and it is stable and does not go crooked, float up, or pile paper;
- (6) Teflon conveyor belt: no deformation, no drag, anti-ultraviolet, durable, automatic conveyor belt correction system, stable and no noise;
- (7) IR drying consists of 18 lamps divided into 2 groups (or 3 UVs divided into three groups), automatic constant temperature setting, independent temperature control;
- (8) There is a safety wire under the lampshade to prevent the paper from floating or the lamp from burning.
- (9) Conveyor belt self-extinguishing function to prevent blockage and fire; (10) IR drying system, light drying, not affected by ventilation, can effectively dry the basic oil layer on the surface of the paper, and will not cause the paper to be stretched and deformed by heat;

(11) Blast cooling has the advantages of high air pressure, high air volume control stability, low noise, and automatic operation. Compared with traditional fan ventilation systems, the drying speed is faster and the effect is better.;

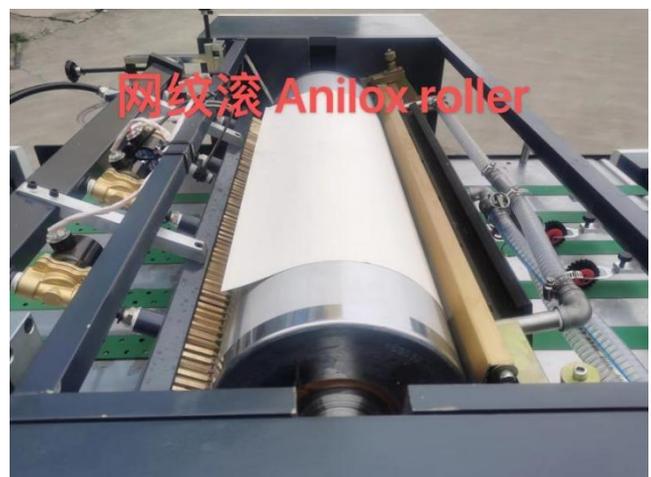
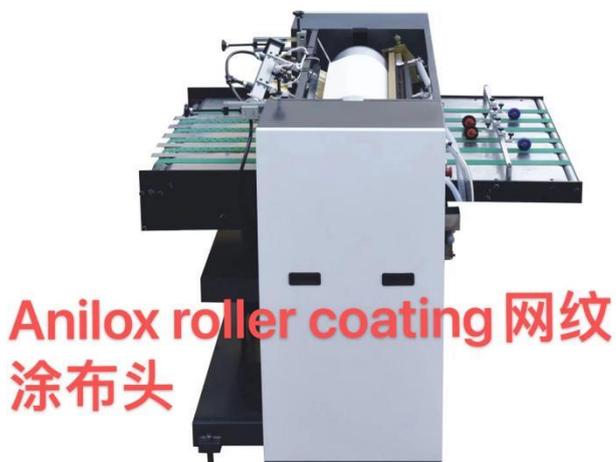
(12) The main body of the drying tunnel adopts infrared drying and fan cooling, which has better cooling effect, more power saving and energy saving.



4. Anilox roller coating head (With air knife)

The oil coating machine refers to the process of coating the glazing paint on the surface of the printed matter and leveling and drying it.

- (1) Surface oil coating host, with highly sensitive air knife system, computer control (optional) suitable for thick paper and thin paper
Dual-purpose coating;
- (2) Advanced & safe automatic monitor, shutdown and alarm system for coating roller rolls paper.
- (3) Low-speed jog debugging, after processing the roll paper, the paper is ejected;
- (4) No gripper vacuum air suction, adhere to paper, not crooked;
- (5) Newly developed large-diameter anilox roll direct coating does not require the transfer of the rubber roll, which can ensure the thickness and uniformity of the oil on the paper
- (6) Original technology upper and lower rollers are driven by independent motors, without mechanical gaps, which can ensure no streaks in coating.
- (7) The closed scraper is used to circulate the oil inside the oil circuit without outflow of oil, which can effectively reduce oil loss and volatilization.



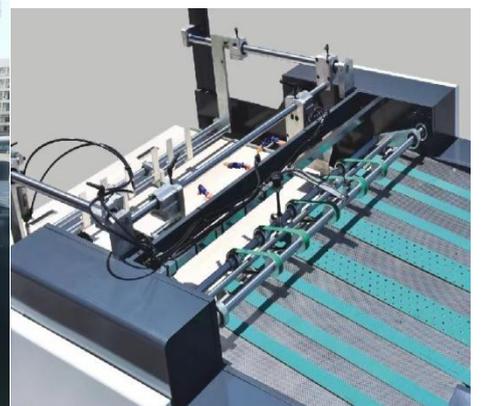


5. Second IR Oven (as point 3)

6. Automatic delivery system

The automatic paper delivery machine is equipped with a fan-cooled paper pressing structure, which can perfectly deliver the paper under the high-speed operation of the machine, ensuring that the paper is delivered neatly.

- (1) The belt has low-noise paper delivery, and the upper and lower pressure rails are designed to ensure smooth and smooth delivery.
- (2) Vacuum suction paper stabilizer device to keep the paper stable; to avoid curling of thin paper coating,
- (3) The delivery table can be raised and lowered manually;
- (4) The upper and lower limit protection devices of the delivery table; (5) Automatic lowering device of delivery table, and delivery limit paper stop and alarm system;
- (6) Automatic coating paper cumulative count;
- (7) Random paper automatic sorting device and programmed control and alarm system;
- (8) Using high-speed pneumatic photoelectric single-sheet paper-taking system, the paper is accurate and neat;



四、Main configuration list

| 序号 | Configuration | Brand | Brand | Origin |
|----|---------------|-------|----------|----------|
| 1 | Inverter | 汇川 | INOIANCE | Shenzhen |
| 2 | PLC | 台达 | DELTA | Taiwan |

| | | | | |
|----|---------------------------------|---------|-----------|----------|
| 3 | Sevo Drive | 台达 | DELTA | Taiwan |
| 4 | Servo Motor | 台达 | DELTA | Taiwan |
| 5 | Touch Screen | 繁易 | FLEXEM | Shangha |
| 6 | Power supply | 明伟 | MW | Taiwan |
| 7 | Encoder | 欧姆龙 | OMRON | Japan |
| 8 | Sensor | 欧姆龙 | OMRON | Japan |
| 9 | Contacto/Relay | 施耐德 | SCHNEIDER | France |
| 10 | Botton | 施耐德 | SCHNEIDER | France |
| 11 | Main fiber, optoelectronic, | 欧姆龙 | OMRON | Japan |
| 12 | Travel/Limit Switch | 施耐德 | SCHNEIDER | Japan |
| 13 | Electromagnetic valve | 亚德克 | AIRTAC | Taiwan |
| 14 | Pneumatic Control Components | 亚德克 | AIRTAC | Taiwan |
| 15 | Teflon conveyor belt | 希贝克 | Sibek | Xiamen |
| 16 | Main Motor | 士元 | SHIYVAN | Taiwan |
| 17 | Host wall panel | HT200 | HT200 | Zhejiang |
| 18 | Scraper | 瑞士 | | |
| 19 | Bearing | NSK/AHB | | 日本/哈尔滨 |
| 20 | Feeder Head | 润泽 | RUN | 浙江 |
| | | | | |

The above purchased parts brands and parameters are for reference only

五、Components list

| 一： Paper feeding system | | | |
|-------------------------|-------------------------------|------|----------|
| Series | Configuration | Unit | Quantity |
| 1 | Vacuum pump | 个 | 1 |
| 2 | Active motor | 台 | 1 |
| 3 | paper table motor | 台 | 1 |
| 4 | paper feed belt | 条 | 8 |
| 5 | paper exit roller | 条 | 1 |
| 6 | Paper exit pressure Roller | 条 | 1 |
| 7 | Pinch roller | 条 | 2 |
| 8 | Feeder | 台 | 1 |
| 9 | Exhaust fan | 台 | 1 |

二： Basic oil coating system

| Series | Configuration | Unit | Quantity |
|--------|----------------------|------|----------|
| 1 | Coating roller | 条 | 1 |
| 2 | Metering roller | 条 | 1 |
| 3 | Steel roller | 条 | 1 |
| 4 | Motor | 台 | 2 |
| 5 | Oil pan | 个 | 2 |
| 6 | Diaphragm pump | 个 | 1 |
| 7 | Scraper | 台 | 2 |
| 8 | Conveyor Roller | 条 | 3 |
| 9 | Air knife (optional) | 套 | 1 |

三： IR Drying and UV Curing System

| | | | |
|---|------------------------------|---|----|
| 1 | motor | 台 | 1 |
| 2 | Teflon mesh belt | 条 | 1 |
| 3 | Cooling fan | 个 | 11 |
| 4 | Suction fan | 个 | 2 |
| 5 | Aluminum guide roller | 条 | 12 |
| 6 | Quartz electric heating tube | 条 | 18 |
| 7 | Conveyor Roller | 条 | 3 |

四： Anylox roller coating system

| | | | |
|---|----------------------|---|----|
| 1 | Motor | 台 | 1 |
| 2 | Air knife (optional) | 套 | 1 |
| 3 | Scraper | 片 | 2 |
| 4 | Conveyor Roller | 条 | 4 |
| 5 | Oil pan | 个 | 2 |
| 6 | Diaphragm pump | 个 | 1 |
| 7 | Conveyor | 条 | 16 |
| 8 | Pressure wheel | 条 | 8 |
| 9 | Coating roller | 条 | 1 |

五： Auto delivery system

| | | | |
|---|--------------|---|---|
| 1 | Motor | 台 | 2 |
| 2 | Steel roller | 条 | 1 |
| 3 | Pulley | 条 | 8 |

| | | | |
|---|------------------|---|---|
| 4 | Conveyor | 条 | 8 |
| 5 | Paper flat panel | 个 | 2 |

The above purchased parts brands and parameters are for reference only

Spare parts

| 1 | Name | Warranty | Note |
|---|-----------------|----------|------|
| 2 | Coating roller | 6 months | |
| 3 | Scraper | 3 months | |
| 4 | Mesh belt | 6 months | |
| 5 | UV lamp | 1000H | |
| 6 | Pneumatic parts | 6 months | |

六: About Feihua company



七: Service and warranty

- 1、 All machines have been finished all adjustment and test in NEW STAR workshop before delivery, the mechanical structure, components adjustment, electrical operation of the switch, and the matters needing attention, day-to-day maintenance of equipment, etc., In order to ensure the normal operation of equipment, later.
- 2、 12 months for electric parts, the service is for whole life, once you asked the spare parts, we can send immediately, customer afford the courier fee. (Since the date of purchase from delivery and on the board, within 12 months)
- 3、 After receiving the notice from the customer for repairs, we will analyze it remotely, solve it, and give the customer a clear solution within 1 working day. Both parties can negotiate the time for after-sales service personnel to be in place, but our service personnel should arrive at the customer's designated service location within 48 hours.
- 4、 After warranty, our company still provides customers with spare parts at preferential prices. And according to customer needs to provide customers with paid repairs and maintenance services. The company has sales

branches or offices in 28 provinces and cities across the country and various countries in the world, which will greatly satisfy the sales and service capabilities of customers all over the world.

WENZHOU FEIHUA PRINTING MACHINERY CO.,LTD

QUOTATION

| | | | |
|----------|-------|-------------------|---------------|
| INV. NO: | | Date: | |
| CNNE: | | Time of Shipment: | |
| NAME | MODEL | SET | PRICE (USD) |
| | | | |

- (1) Time of Delivery:30 days after receiving your advance payment
- (2) Loading Port & Destination:From Ningbo/Wenzhou,CHINA To your port
- (3) Terms of Payment:30% T/T deposit,70% balance T/T payment before the shipment
NOTE:T/T payments bank any charge should bear by your side.
- (4) Quotation Valid time:30 days
- (5) Warranty:One year free warranty
- (6) Overseas service:Engineers available to service machinery overseas.
- (7) Certificate:CE certificate
- (8) More contact: ATTN: +0086 15968760337 Email: exporter@newstar-machine.com
- (9) Website: <http://www.newstar-machinery.com>



CJ

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