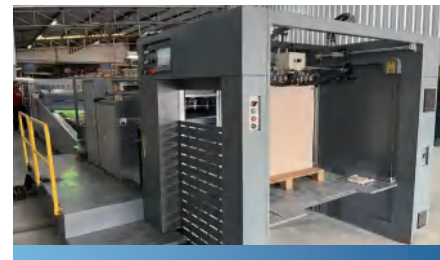


FENGCHI

Case Center



CASE 1

Delivery of fully automatic local UV spot coating machine.



CASE 3

High-speed fully automatic local UV spot coating machineshipping site real shot.

CASE 2

Fully automatic local UV coating machine C square customer site real shot.



No.1 shipment supplier(600+/year)

15 years experience

Plant size:10,000 M²

Employee:150 persons

ISO9001, CE
High-Tech Enterprise

PAPER FLUTE LAMINATOR MASTER

Company Profile

Guangdong Fengchi Printing Machinery Co.,LTD. started business since, who is the only manufacturer specialized in flute laminating machine/gluing and folding machine / folder gluer and stitcher machine/UV printer machine all the time. As master in this industry, we provide world-class laminating machines with reasonable price. We serve the paper printing & packaging industry such as color boxes and corrugated carton, help solve the manufacturing process of over-gluing laminating and stacking after the post-printing for color cardboard & corrugated cartons. Customized service is carried out according to the actual needs of users.

Be different from other multi-category equipment company, FENGCHI only focus on laminating machines and made continuous breakthrough innovations in laminating speed and self-developed patents in past years. All products are strictly granted by CE standard and factory is granted with ISO quality system.

FENGCHI is a technology-oriented factory with strong R&D team of nearly people with more than years in the printing and packaging industry, half of R&D team are Doctor Degree. Now we have have after-sale office in China, Europe, Vietnam, India, Malaysia, Korea, Indonesia, we aim to build global after-sale center before. Because of the professional design, stable quality, innovative technology, reasonable price and perfect after-sale service, FENGCHI became the top one turnover in China for paper laminator machine in.



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FENGCHI 锋驰

Fully Automatic High-Speed UV Coating Machine

Automatic Paper Feeder

- High-reliability suction heads with linear slide rails ensure fast paper feeding, tightly delivering sheets of all sizes.
- Sensitive electro-mechanical double-sheet detector automatically stops feeding upon detecting multiple sheets.
- Maximum paper stack height: 1,150mm.
- Precision front and side guides (front guide and pull guide) with quick-adjust mechanisms for accurate positioning.

Multi-functional Coating Oil Head

- Dual-roller differential-speed coating head ensures flat, uniform, and glossy oil film with precision.
- Optional ceramic anilox roller with chambered doctor blade configuration.

Automatic Paper Collector

- Integrated auto-loading platform with maximum stack height of 1,200mm.
- Photoelectric pneumatic dual-side alignment system for precise stacking.
- Thin-paper guiding device guarantees smooth and orderly sheet delivery.

Electrical Control System

- Full-machine variable frequency drive (VFD) with PLC programmable controller ensures high stability and low failure rate.

Paper Feeding and Printing Unit

- Swing-arm sheet transfer mechanism supports maximum speed of 8,000 sheets/hour.
- Impression and coating cylinders undergo precision grinding and dynamic balancing calibration for dimensional accuracy.
- Quick-mount system for coating cylinder blankets and plate bases, enabling fast plate changes.



Highlights overview

U.V. Drying and Curing Equipment

- Three UV mercury lamp units for rapid curing of UV coatings.
- Teflon mesh conveyor with bottom suction airflow ensures quiet operation, high speed, optimal curing, and easy maintenance.
- Full/half lamp switching and UV leakage protection device for operator safety.
- Built-in auto-temperature control, electronic fault trip, and cooling / exhaust system to prevent over heating.
- Dual infrared (IR) drying groups, each with 12×1kW lamp units arranged in staggered configuration.
- Auxiliary air-blowing system ensures uniform heat distribution.

GUANGDONG FENGCHI PRINTING MACHINERY CO.,LTD.



TECHNICAL PARAMETER

*This is the current configuration. It may be updated with technical updates and upgrades

ty-106W

AUTO UV SPOT COATING MACHINE

The high-speed UV and partial coating machines manufactured by FENGCHI adopt an overhead gripper delivery system, achieving rapid paper feeding speeds exceeding 8,000 sheets per hour. Equipped with an intelligent mesh belt UV curing/infrared drying system, the machines significantly enhance coating smoothness while delivering high production efficiency, precise registration, superior UV curing performance, and low energy consumption. After the coating unit processes the sheets, the grippers bypass direct exposure to UV light sources' high temperatures. Instead, sheets are transported via a Teflon mesh belt, ensuring zero deformation or damage to grippers, along with simplified maintenance and reduced repair costs.

- Features three UV mercury lamp units for rapid UV varnish curing.
- Optional EB frequency-conversion electronic curing UV source reduces energy consumption by 10%-15% while extending service life.
- Built-in auto-temperature control and electronic fault trip protection.
- Water-based IR drying module with dual-zone temperature switching.
- Gripper-assisted edge-correction mesh belt conveyor enhances curing consistency and lowers maintenance costs.

- Integrated auto-loading paper table. Photoelectric-pneumatic edge aligners and high-power sheet decelerator prevent inertial displacement during heavy paper stacking.
- Standard cooling fans with optional air conditioning cooling system.
- Multi-status LED indicators and safety monitoring system provide instant operational feedback.

- Equipped with high-reliability pneumatic feeding head for rapid and smooth sheet delivery.
- Integrated with electro-mechanical double sheet detector and foreign object deflector, triggering immediate shutdown upon anomalies.
- Precision front guides and side guides ensure registration accuracy.

- Coating speed up to 5,000-6,000 sheets/hour with energy-efficient operation (30% less power/oil consumption). Compatible with full-surface UV coating, partial adhesive-reserved UV coating, and water-based / oil-based coatings.
- Large-diameter dynamically balanced impression cylinder ensures uniform coating film. Dual-axis ink transfer with adjustable doctor blade enables simple and reliable ink control.
- Screw-mounted quick-release plate clamp on coating cylinder: lightweight, durable, and maintenance-friendly.
- Bidirectional ink transfer mechanism allows flexible ink layer thickness adjustment.
- Optional ceramic anilox roller with Danish chambered doctor blade system or standard blade unit for fast cleaning.

- Quick-release plate clamping system. Enclosed lightweight doctor blade paired with ceramic anilox roller.
- Energy-saving electronic frequency-conversion UV power supply. (replaces conventional capacitor-transformer units)
- Simplified mechanical structure enhances operational efficiency by 22% versus legacy models.

- Variable-frequency drive (VFD) motors ensure safe and stable operation.
- PLC programmable control simplifies operation and maintenance.
- Quick-disconnect connectors for all cables enable hassle-free installation.

TECHNICAL PARAMETER

*This is the current configuration. It may be updated with technical updates and upgrades.

Ty-1460w/Ty-1650W

AUTO UV SPOT COATING MACHINE

FENGCH's s Ty-UV Series partial UV coating machines utilize a gripper transmission structure and chain-track gripper system derived from single-color offset presses. The UV curing and infrared drying sections feature a mesh belt conveyor and a large-diameter impression cylinder, ensuring uniform gloss distribution, precise coating thickness control, and compatibility with both lightweight and heavyweight substrates for full-surface or selective UV coating. The machines integrate a proprietary Danish chambered doctor blade system, delivering consistent coating distribution, stable ink supply, and easy cleaning. Additionally, the quick-release blanket clamp enables rapid plate changes, optimizing operational efficiency.

PRODUCT DIAGRAM

