

## **CONFIDENCE COMES FROM PROFESSION TRUST COMES FROM QUALITY**

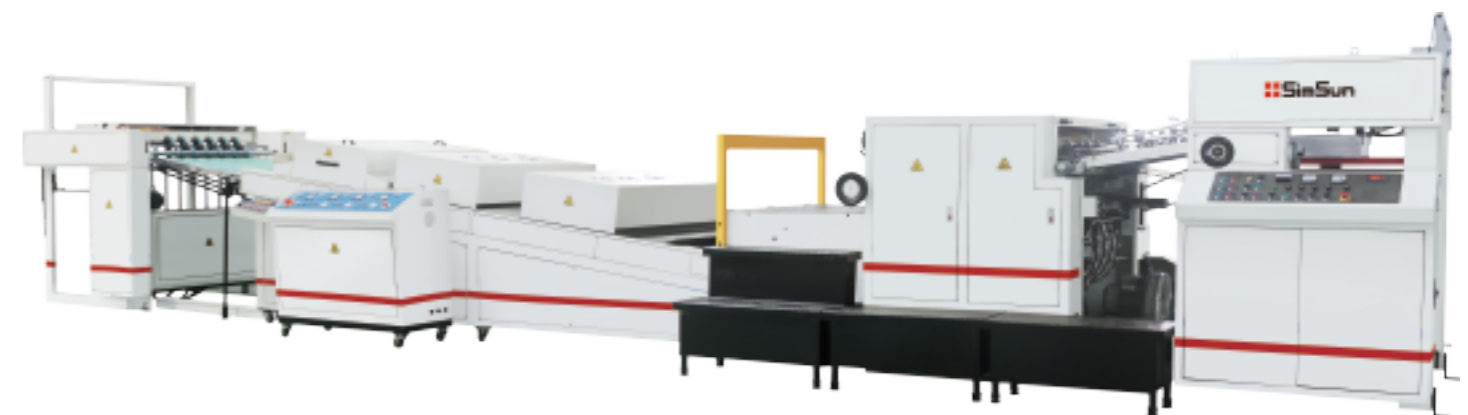
Guangzhou SimSun Machinery Co., Ltd. is located in Nansha District, Guangzhou City, China. Specialized in R&D, manufacture, Sales for Post-Print Machinery. The company has professional technology to produce high quality machines, involving machinery such as Folding and Gluing Machine, Die Cutting Machine, UV Spot Coating Machine, Film Laminating Machine, Flute Laminating Machine and so on.

With professional technology, safety concept and years of experiences, it's no doubt about our machine quality and performance. In addition, more designs are with high level, high performance, high economic benefit and high practicability. Moreover, we offer a quality assurance and complete after-sales service to pursue the goal of customer first and quality first. Also strive for the most perfect role in the post-print industry.

# **Alpha-104**

## **HIGH SPEED UV SPOT COATING MACHINE**

<http://www.simsunmachinery.com>

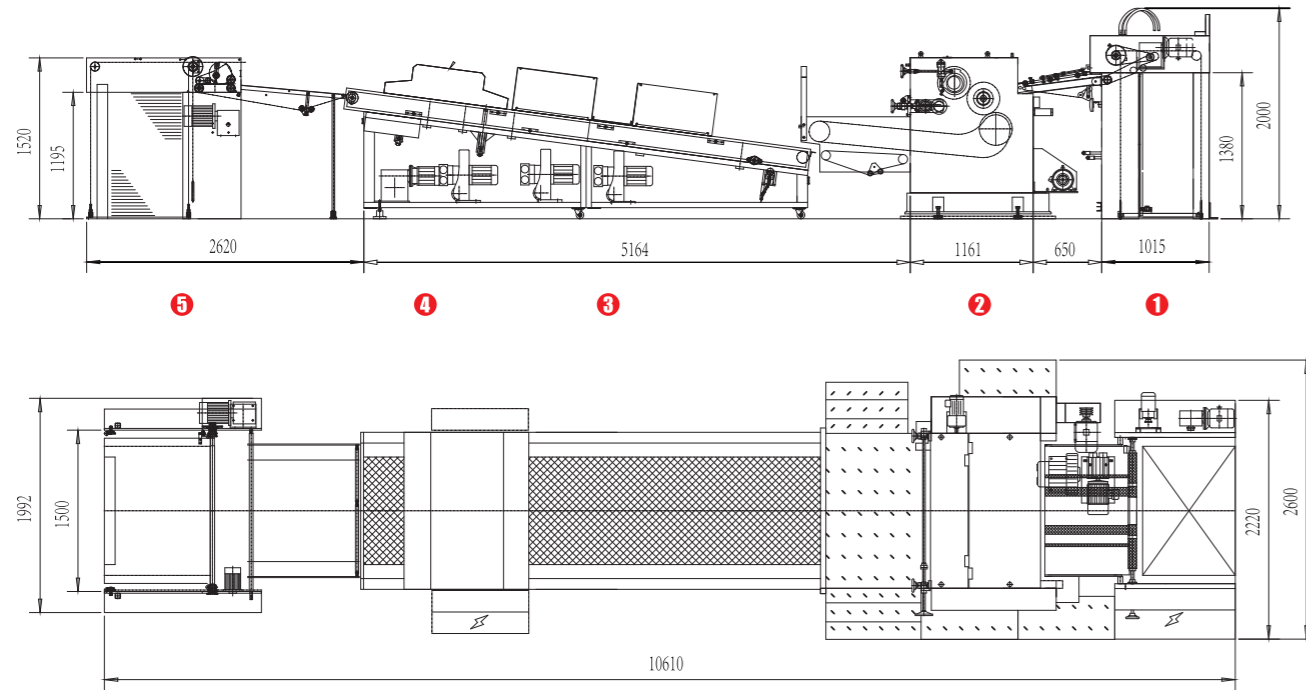


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### **GUANGZHOU SIMSUN MACHINERY CO.,LTD**

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## SPECIFICATION

MODEL	Alpha-104
Maximum sheet size (L x W)	730 x 1040 mm
Minimum sheet size (L x W)	310 x 406 mm
Maximum coating area (L x W)	720 x 1030 mm
Sheet thickness	80 – 450 g/sm
Maximum machine speed	7000 sheets/hour
Total power requirement	46.6 kw (UV) / +25 kw (Water Base)
Machine dimension (L x W x H)	10610 x 2600 x 2000 mm
Machine Weight	8000 kg

Subject to change without notice.

## FEATURE

High speed UV spot and overall coating machine Alpha-104 adopts upper swing arm system for transferring sheets to coating system, can achieve max. machine speed to 7000 sheets per hour. Conveyor type of UV curing system with Teflon belt is better for curing and transporting effects, also avoid gripper wearing and gripper shade problems.

### ① FEEDER SECTION

- Stable feeder head feeds sheets fast and smoothly.
- Double sheet detector and miss sheet detector.
- Front lay and side lay with micro-adjustment, ensure accurate registration.

### ③ WATER BASE DRYING SECTION (OPTIONAL)

- With IR lamps and hot air
- Besides drying water base varnish, it's also good for UV varnish flow-out and reduce orange-peel.
- Independent water base coating supply device.
- Additional driving motor for coating roller, when machine stops, coating roller keeps running continuously to avoid drying out of water base varnish.

### ⑤ DELIVERY SECTION

- With cooling fans.
- Side jogger and thin sheet guiding device to ensure sheet delivered smoothly and piled neatly.
- With sheet counter device.

### ② COATING SECTION

- With upper swing arm system for transferring sheets to coating system, make sheets transferred more fast and smooth.
- Blowing device can protect coating surface from being scratched when sheets are turned over from impression roller to gripper chain delivery system.
- Suitable for both photopolymer plate and rubber blanket as coating media.
- Easy access to change photopolymer plate or rubber blanket.
- UV tank has heating function, can automatically heat according to setting temperature.
- Gripper chain delivery system is not lighted by UV curing system, grippers are protected from being deformed and damaged.

### ④ UV CURING SECTION

- Three UV lamps with control system.
- Full-light and half-light function, can adjust according to production condition for saving power.
- UV light will be automatic off when conveyor belt is emergency stop, for operation safety.
- Automatic temperature control with cooling ventilation system, lamp box will be automatic rise when temperature is over high.
- Teflon conveyor belt with alignment device, automatic alarm for abnormal situation.
- Conveyor with vacuum suction, ensure stable transportation for sheets.

