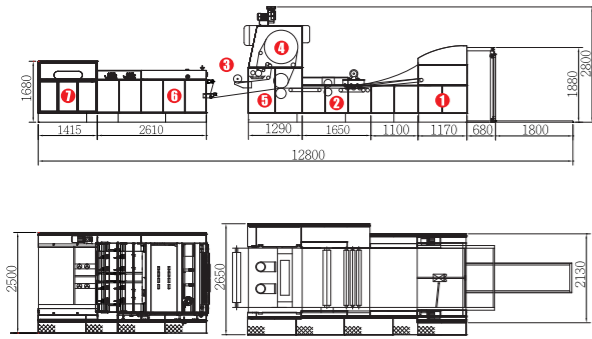
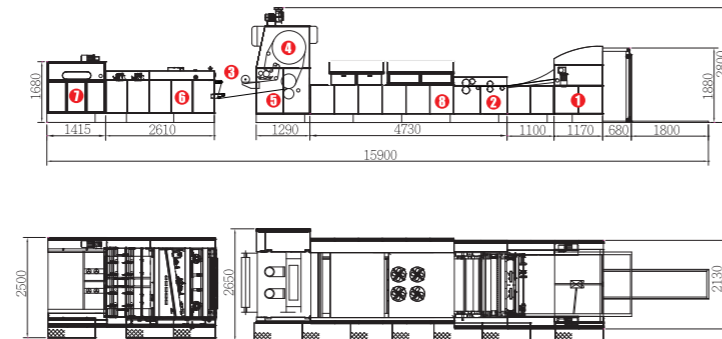


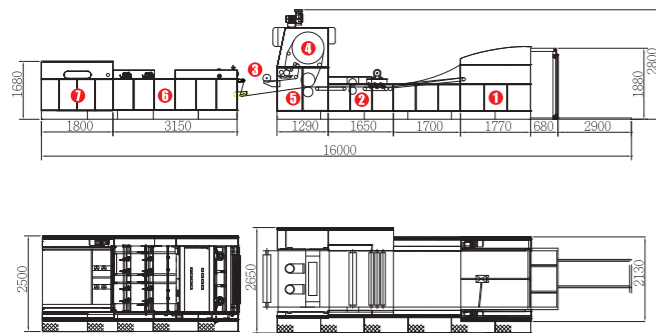
Ares-120 / 880x1200 mm



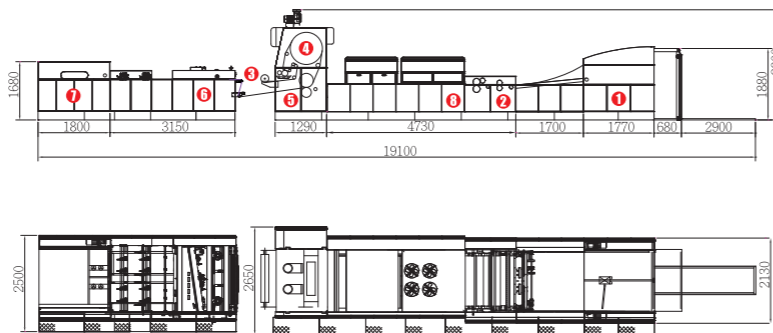
Ares-120W / 880x1200 mm



Ares-120 / 1450x1200 mm



Ares-120W / 1450x1200 mm



# Ares-120

## FILM LAMINATING MACHINE

<http://www.simsunmachinery.com>

### SPECIFICATION

MODEL	Ares-120 (Overall Lamination)		Ares-120W (Window Lamination)	
Max. sheet size (L x W)	880 × 1200 mm	1450 × 1200 mm	880 × 1200 mm	1450 × 1200 mm
Min. sheet size (L x W)	350 × 350 mm	400 × 400 mm	350 × 350 mm	400 × 400 mm
Sheet thickness	105 ~ 600 g/sm	105 ~ 600 g/sm	300 ~ 600 g/sm	300 ~ 600 g/sm
Film thickness	12 ~ 25 μ	12 ~ 25 μ	12 ~ 25 μ	12 ~ 25 μ
Lamination temperature	50° - 120° C	50° - 120° C	50° - 120° C	50° - 120° C
Max. machine speed	70 米/分	70 米/分	40 米/分	40 米/分
Total power requirement	70KW	70KW	110KW	110KW
Machine dimension (L x W x H)	12800 × 2650 × 2800 mm	16000 × 2650 × 2800 mm	15900 × 2650 × 2800 mm	19100 × 2650 × 2800 mm
Machine weight	9600 kg	10300 kg	14000 kg	14500 kg

Subject to change without notice.



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# Ares-120

## FEATURE

OPP / PET / PVC film lamination is widely used on hang bags, posters, book covers, catalogues and many printing products nowadays to give better visual effect, tension, waterproof and protect. Ares series film laminating machine is with better speed and performance; vertical and compact structure design on main unit, put gluing, drying and laminating sections together to reduce space required. There-in-one model is workable for water-base & solvent-base dry type lamination and pre-coated / thermal lamination.

### 1 FEEDER SECTION

- Equip with pre-loading device and non-stop device.
- High speed stream feeding head for stable and smoothly sheet feeding.
- Feeder table with suction belts to transport sheet stably.
- Front lay and side lay with micro-adjustment, ensure accurate registration.
- With servo control device for sheets overlapping, tolerance within +/- 2mm.

### 3 GLUING SECTION

- Ceramic coating roller with independent driving motor and doctor blade to adjust glue application, easy operation.
- Continuous circulation of adhesive supply, use a pneumatic diaphragm glue pump to reduce bubble.
- With pneumatic film shaft, easy to change film roll and save time.
- With tension controller to reduce tension issue.

### 5 LAMINATION SECTION

- Dia. 250mm pressure roller is covered with special hard rubber for heat resisting.
- Dia. 350mm lamination roller is with chromed surface, adopt new electromagnetic heating device for more safe operation, more easy maintenance, and more energy conservation. With temperature controller to keep temperature stable and even.
- Lamination pressure is controlled by auto hydraulic pressure device, easy setting and keep lamination pressure even.

### 2 POWDER REMOVAL SECTION

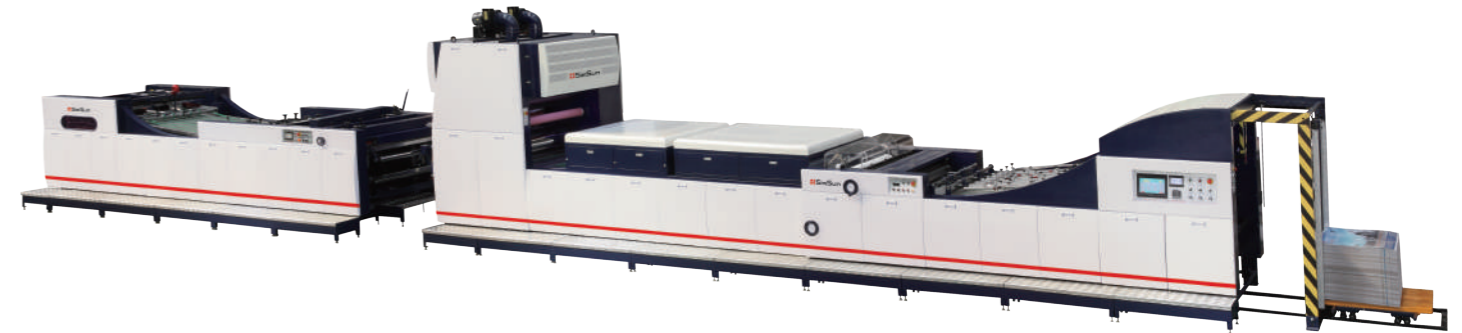
- Suction brush type powder cleaning device, with two brush rollers and air suction to remove printing powder of sheet surface. (Optional)
- Heat calendering type powder cleaning device, with an electrical heating roller to remove printing powder of sheet surface.

### 4 DRYING SECTION

- Vertical drying oven design with shorter distance for stable film traveling without displacement, left / right lamination tolerance within +/- 0.5mm.
- High efficient hot air circulation system, adjustment according to gluing and drying conditions.
- Large dia. 800mm drying roller increase drying time and lamination speed, with new electromagnetic heating device and temperature controller.

### 6 SEPARATION SECTION

- Rotary knife cutting device (4 knives), speed adjustable, easy operation. (For cutting OPP film)
- Chain knife cutting system (2 knives) with servo system and specific sensor, accurate detection for overlapping position and precise control for cutting time. (For cutting PET / PVC film) (Optional)



Special Model: Ares-120W (Window Lamination)

### 7 DELIVERY SECTION

- Delivery table with suction belts to transport sheet stably.
- Sheet jogging device on 4 sides of sheet by sensor control, with adjustable air blowing device, stacking sheets more neat and tidy.
- Equip with non-stop device, and sheet counter.

### 8 WINDOW SECTION (SPECIAL OPTIONAL)

- Designed for special window lamination products, enhance diversity and functionality.
- Three roller gluing system, suitable for window thick sheet only.
- IR and hot air system, for drying glued window sheet before laminated with film.

