



SHENGBIAO GUANGZHOU JIANGZHU MACHINERY CO.,LTD

ADD: NO.5 building ,kechuang industry, tianyi village ,yuwo town, nansha ,guangzhou

COMPANY NAME:

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SPECIFICATION

Technological process: infeed conveyor-dust clean machine -oven tunnel-five rollers PUR glue spread machine with PUR glue system –conveyor with auto acrylic sheet device -double groups rollers laminating machine----auto pvc cutter ---3m out conveyor



High-gloss PUR laminating production line

1.Film: roll material: paper、 PP、 PET、 PVC, PETG,

Sheet material: acrylic sheet、 HPL、 etc.)

2.Board material: MDF board, particle board, foam board , WPC,PVC foam board (board need sanding before laminate),etc.



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3. Use glue: PUR glue .

4. Users: furniture, cabinets, flat door manufacturers, new building materials factories, high-end decorative board factories, etc.

--- The production cycle is 30 days.

Technical parameter:

Working thickness	3-50mm	Minimum sheet length:	700mm
Speed	10m/min	Machine weight	6500kg
Maximum sheet width	1220mm	Max diameter of film roll	400mm
Plate distance	10-20mm	Working height	950±50mm
Machining length	1800-2800mm	Machine size	16500x1980x2650mm
Machine motor	China brand	Electric elements	Schneider
PLC brand	Schneider	Frequency brand	INVT
Pneumatic part	TAIWAN AIRTAC		



MACHINE PARTS DESCRIPTION

1. Conveyor

Aluminum profile 240*50MM X4000

The angle of the conveyor roller can be adjusted, the belt special shaft has up and down moving, the belt can be tightened by the downward adjustment of the transmission roller after the belt is loose, there are fixed parts on both sides of the conveyor roller, it is not easy to fall off, and the conveying angle is well adjusted and fixed.



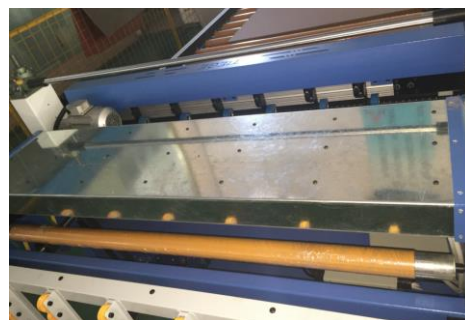
2.Dust clean machine

Horizontal brushes with technology to clean the board ,plate and brush into 95 degree , Sticking the High glossy PVC on MDF board, the MDF board must clean very well. If have the dust on the surface, it will result the oranges. Reducer motor: RV50,motor: 0.25KW



3.Oven 2m

Preheating board by infrared lamps,there are 9 pieces inside ,1kw/pcs ,heating fast ,save power ,focus temperature . Here work purpose is to effectively prevent the





3 Infrared drying tunnel (1 meter long)

-Frame structure: Q235A iron-steel bending and welding structure is adopted, the structure is firm and reliable, the width is 300mm, the heating part: equipped with 9 infrared heating lamps, each lamp power is 1KW, the heating speed is high, and the power is saved;

-The control principle adopts a photoelectric sensor. When the plate is continuously fed, the infrared lamp will continue to heat and heat to ensure the temperature. When the plate stops moving, the heating will automatically cut off, and the plate will automatically heat up when the plate comes in again.

-After the substrate is preheated, the temperature of the glue is close to this effect to increase the viscosity of the glue.





4.PUR Glue Spreader:

L900*W2200*H2000mm

Glue width: 1400mm

Height of the roll center: 950mm

Roller size: 240*1350mm

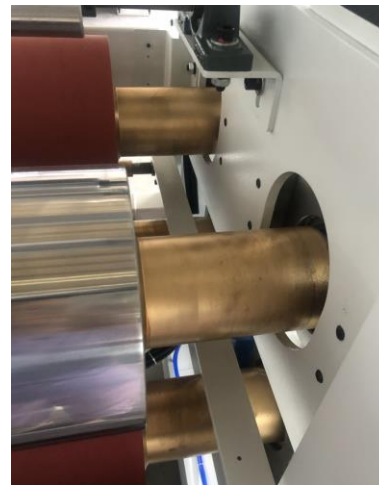
Working thickness: 2-30

Speed : 20m/min

power: 1.5kw*3

Gluing width: 1400mm, body height is 1950mm, the motor is inside the main body, the side door is a gas spring opening method, which is convenient for maintenance and replacement of rubber rollers, the space above the rubber roller is large, and it is convenient and fast to change the rubber roller.

2. The large structure of the front and rear



SHAFT HEAD DIAMETER:110MM



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turning table is stable, the plate transition is smooth, and the two sides are flipped with atmospheric cylinders, and the support force is large.

The large structure of the front and rear turning table is stable, the plate transition is smooth, and the two sides are flipped with atmospheric cylinders, and the support force is large





55 Gallon PUR Glue system:

- 1) Glue barrel size : $\Phi 571$ mm
- 2) Glue pump power :0.75kw (there is a motor installed on glue barrel ,it drive gear glue pump , the power is 0.75kw.)
- 3) Heating power :18kw (There are 60 pcs heating lamps in glue pump ,it can make the glue melt ,the power is 0.3kw/ lamp)
- 4) Total power :18.75kw
- 5) Gear pump :15 g/r
- 6) Capacity of glue :0-35kg/h
- 7) Air pressure : 6 Bar (there are two air cylinder,model :SI-125*1000-S)
- 8) Motor speed :0.5-60r/min
- 9) Max platen stroke :1000mm
- 10) Working temperature :Normal -250°C
- 11) Temperature accuracy : $\pm 1^{\circ}\text{C}$
- 12) Overall dimension : 1510*850*1405mm
- 13) Weight :500kg .





5.auto load for acrylic sheet

device :L4000xW1500xL1600mm

Sheet feeding device

A. The 4m conveyor is for conveying and excessive support.

B、 Sheet material automatic docking device

Working width: 1260mm

Stacking thickness: 50mm

Working length:2500mm

Control: Servo Control

Sensing method: light sensor

-Frame part: welded with high-quality steel, the structure is firm and reliable.



6. Laminating machine(one group rollers)

with film crane: L550xW2000xH2200mm

roller size :240x1350mm(two rollers)

using the air expand and tension controller

to hold the paper .

The transmission mode adopts the synchronous



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belt, and the transmission is stable, vibration, and gaps.

-The lifting adjustment uses stainless steel slide rails to achieve synchronous lifting and strong pressing force.

-The paper feeding shaft is an inflatable shaft, the pneumatic is 10kg magnetic powder brake, and the tension controller controls the tension.



7.Conveyor L3000XW1500XH950MM

Max .working width: 1300mm

Max. working length: 4000mm

Working height: 950±50mm

speed: 0-20m/min

The conveyor rack is tailor-welded with 80*80 square tubes, and the structure is firm and





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reliable.

10.electric control box



ATTACHING PICTUR

Products picture





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