

Water based varnish coating process Solution



KPZ-1200J

Automatic Water Based Varnish Coating Machine

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TIANCEN



KPZ-1200J Automatic Water Based Varnish Coating Machine

Main technical parameters:

Max. Coating Width: 1200mm

Max. sheet size:W1200mm×L1200mm

Min. sheet size:W340mm×L406mm

Feeder/ Stacker piling height: 1300mm

Sheet thickness: 80-600g/m²

Max. working speed: 70m/min, or 7000sheets/h

Installed power: 42kW

Total weight: 5500kg

Overall dimensions: 15000 × 2000 × 1610mm

KPZ-1200J Main structure of equipment:

Auto feeder +Roller Coater +IR dryer +Cooling fan +Auto Stacker

Auto feeder (Piling height: 1300mm)

The speed of the paper feeder can reach 12000 sheets/hour at the fastest. The transmission of the paper feeder can move forward and backward, which facilitates the paper feeding machine to feed large and small size paper;

Max. sheet size : 1200mm ×1200mm ;

Four suction and four delivery, Feeder head,

The paper straightness can reach ± 2 mm;

Whole machine electrical

Independent split variable frequency speed regulation, The main motor frequency converter adopts Omron brand, The roller bearing of the main machine is NSK, The conveyor belt is selected from Habasit, Switzerland

Other features

- Coating roller diameter: 138mm
- Reinforced IR light box, with insulation layer, high temperature, energy saving.
- Main coating roller after polishing, coating fine, uniform, avoid coating uneven and waste cost.
- Reinforced IR light box, high temperature, suitable for water-based, fast drying.
- Split suction room: full split strong suction system in the paper feeding process, the paper is not easy to move, and the paper can pass smoothly.

Auto Stacker (Piling height: 1300mm)

Two way single sheet or multi sheet pneumatic paper beater;
The conveyor belt has the function of pressure wave, which can increase the paper stiffness in the production of thin paper, and quickly and stably transfer and receive the paper;

- **Configuration**

- In the process of machine production, strictly follow ISO9001 management procedures
- Main machine wallboard: high quality casting, long service life, good structural rigidity, no vibration in high speed operation.
- Coating roller material: imported material, durable, not easy to deform.

Part name	Origin / brand
Vacuum pump	BECKER
Whole machine micro relay	MOELLER
AC contactor of the whole machine	MOELLER
Button	MOELLER
Solenoid valve	SMC
Bearing	NSK
PLC and controller	Taiwan Delta
Whole machine inverter	Taiwan Delta
Limit Switches	TEND
sensor	Yangming, Taiwan
Two connected air valve	STNG
air cylinder	AirTAC
encoder	AUTONICS
Mesh belt	Teflon mesh belt
Paper conveyor belt	Habasit
chain wheel	High quality steel after heat treatment
Wallboard	HT250 high quality cast iron, fast and stable operation
Coating rubber roller	Imported polyurethane materials, domestic production
Varnish scraper blade	SND