

# Fully Automatic Screen Coating Machine



## ★ Scope of application:

The fully automatic screen coating machine is suitable for large-area, high-precision, high-density, screen photosensitive adhesive sizing coating in the screen printing industry and the electronic circuit board industry . The fully automatic screen coating machine overcomes the instability of manual coating technology and uneven coating, ensuring the uniform consistency of the photosensitive adhesive each time.

## ★ Main parameters

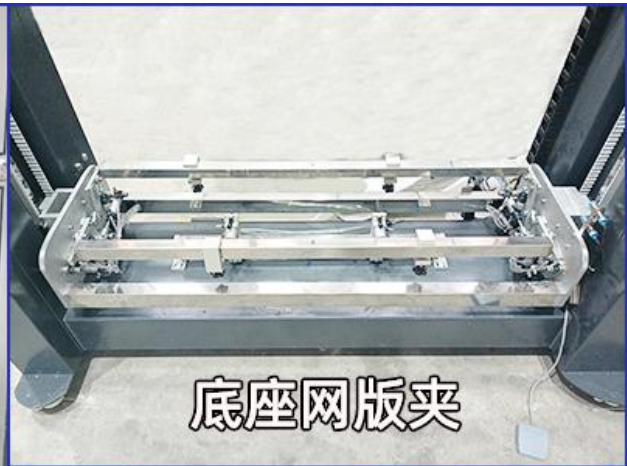
Product Model	TX-TB1020	use	Screen printing photosensitive glue sizing
Maximum coating size	1000 × 2000 mm	Film thickness uniformity	Less than 1 um
Dimensions	3000 × 1900*70 mm	Air pressure power	0.4-0.6KG
Total Power	1.5 KW	Total air pressure power	8-10KG

Power consumption	1KW	gross weight	250KG
power supply	AC220V, two-phase three-wire	Rated current	10A

### ★ Main performance features :

1. Specially used for coating high-precision, high-density, photosensitive emulsions on large-area screens.
2. The whole machine can be set to fully automatic operation through the control panel, and high-quality precision screens can be produced without skilled workers. It also has a single-action operation function for adjustment.
3. The coating thickness can be controlled by setting the coating pressure and coating times.
4. You can choose to coat one side alone or both sides at the same time.
5. You can choose to coat in normal upward or special downward direction, and the speed in both directions can be adjusted steplessly.
6. The frame clamping and frame releasing actions are executed by the pneumatic clamp controlled by the foot switch, so that it is convenient to hold the frame with both hands.

### Product details







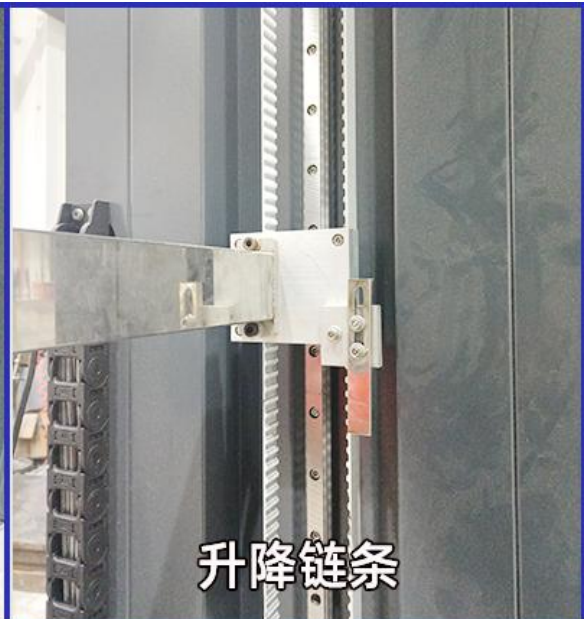
PLC控制柜



变频器



升降减速电机



升降链条

★ Coating effect



★ **Coating precautions ( the effect of screen coating is determined by multiple factors )**

1. The coating sequence is: three times on the front side/three times on the back side (drying), then two times on the back side (baking and drying), depending on the coating thickness requirements.
2. The emulsion coating becomes thinner as the coating speed increases, and the screen flatness improves as the coating thickens. On a 300-mesh screen, a 15um coating can print fine lines, but when the coating exceeds 20um, the permeability of the printing ink is poor.
3. During the screen coating process, the screen flatness can be achieved more quickly ON a coarse screen, while on a fine screen, additional coating is required to achieve it.