9TU-M063 SCA/OCA

Vacuum Laminating Machine

Product Specifications

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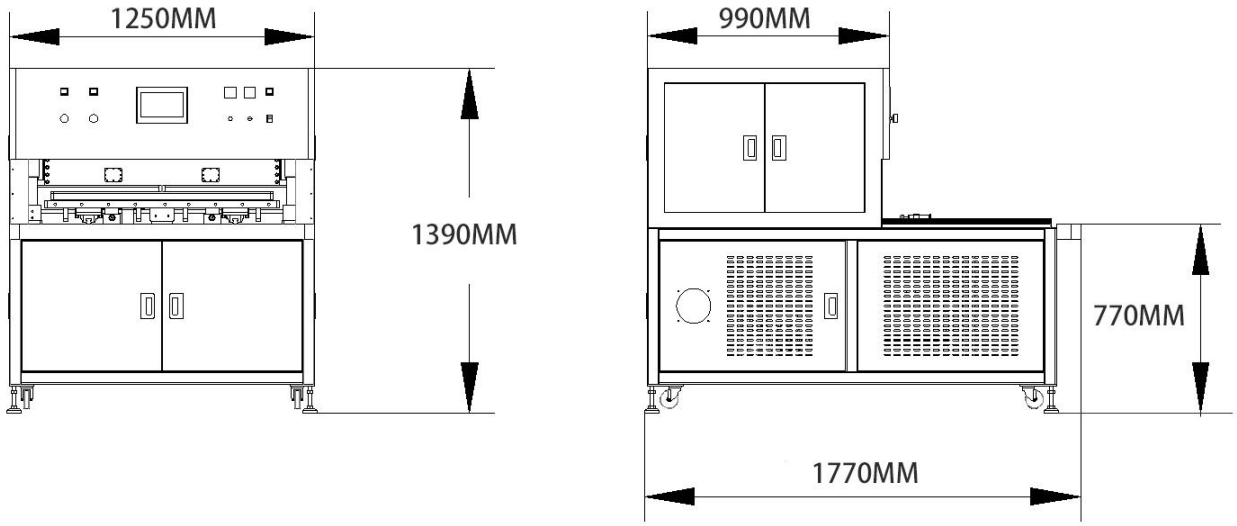
1. Equipment pictures



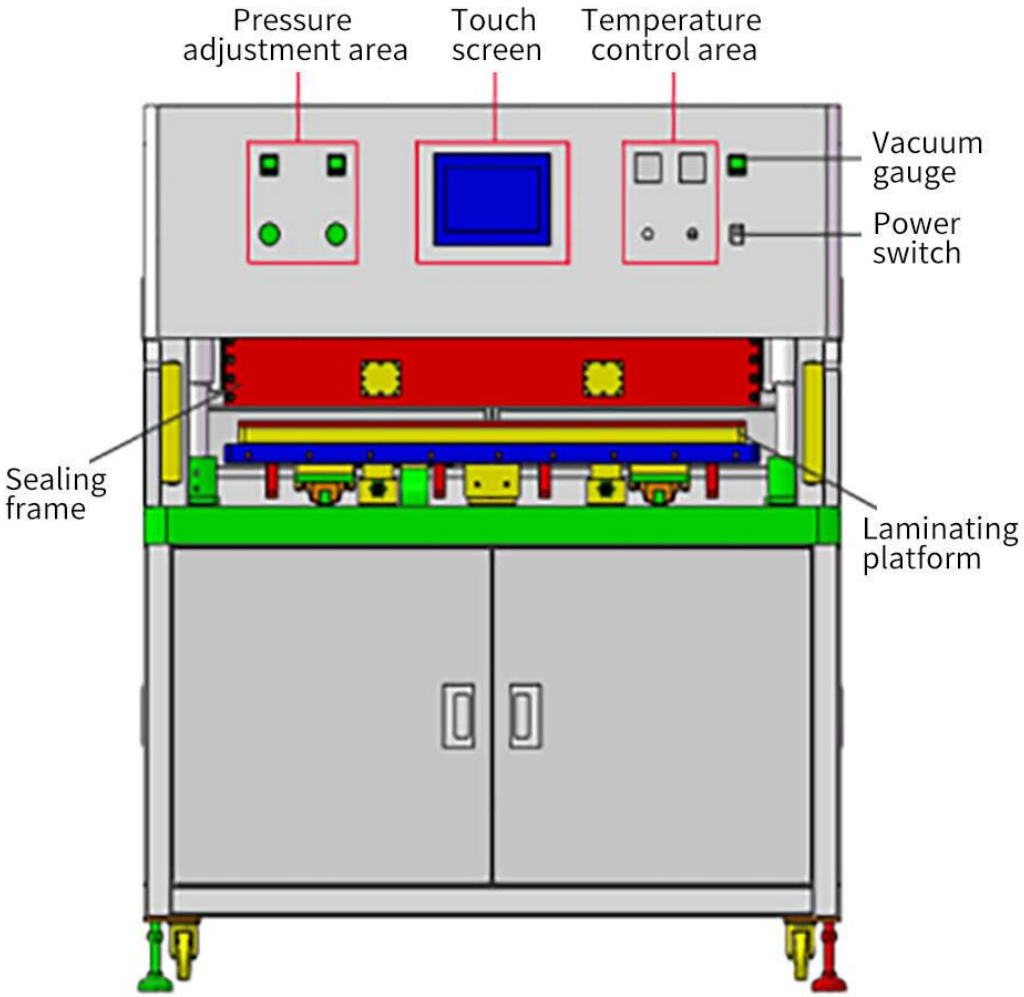
2. Product introduction and use

2.1 Product use

Used for SCA/OCA adhesive process product bonding. Suitable for high-temperature bonding of LCD, TP/LCM and various types of related products. The fixture can be placed in the corresponding position between the workpieces to be bonded. The product is moved to the work platform manually for vacuuming, heating and pressing.

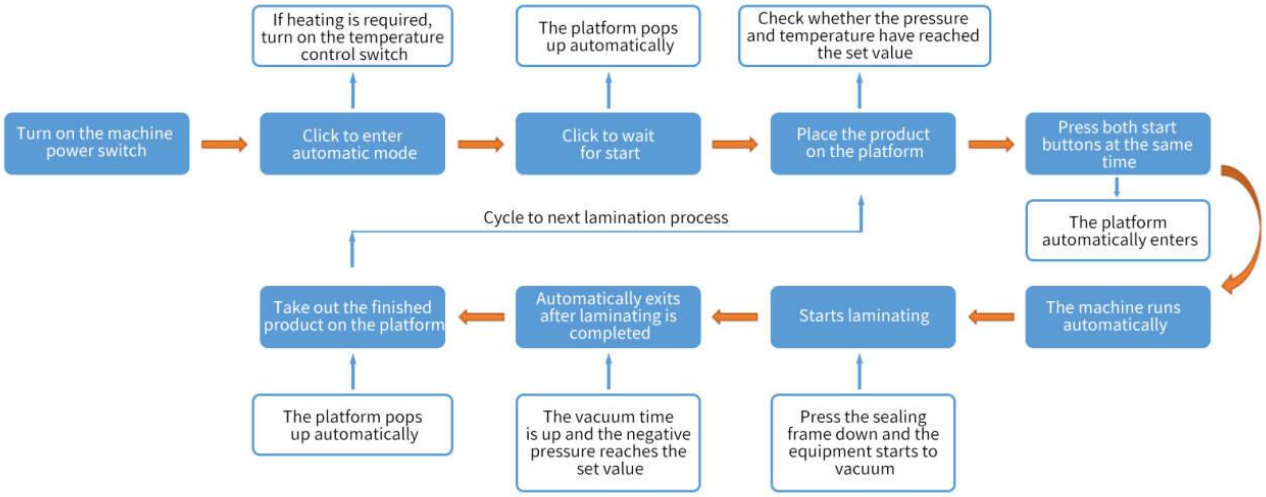
2.2 Equipment Features

- Adopt AirTac customized cylinder to effectively control the lamination stability
- Adopt Japan Omron thermostat to control the heating of upper and lower platens, with stable heating temperature and high precision
- Pressure control uses AirTac to precisely adjust the pressure, and controls the lamination balance and pressure accuracy through back pressure adjustment to improve the lamination effect and ensure the lamination yield
- Vacuum display uses SMC digital negative pressure gauge/positive pressure gauge uses SMC digital display, which is accurate and stable



The appearance of customized models may vary according to actual conditions.

Operation flow chart



3. Equipment structure

No.	Item	Specification	Quantity
3.1	Machine housing	The machine shell surface is powder-coated: the color is corrugated white	1 set
3.2	Laminating platform		1 set
3.3	Cavity structure		1 set
3.4	Vacuum system		1 set

4. Equipment specifications

4.1 Basic Information

No.	Item	Specification	Remark
4.1.1	Brand model	9TU-M063	
4.1.2	Device name	SCA/OCA Vacuum Laminating Machine	
4.1.3	Device purpose	Used for SCA/OCA adhesive process product laminating ,Applicable to LCD, TP/LCM and various types of related product laminating	Other products can be tested
4.1.4	Equipment dimensions	L177cm*W125cm*H139cm	Subject to the actual product
4.1.5	Equipment weight	About 750KG	Subject to the actual product

4.2 Specifications

No.	Item	Specification	Remark
4.2.1	Power supply specifications	AC380V 50HZ	
4.2.2	Equipment power	About 6KW	
4.2.3	Working air source	0.5MPa—0.6MPa	Dry air source
4.2.4	Air supply pressure	4-6Kgf/cm²	
4.2.5	Heating method	Constant temperature heating (upper and lower plates can be heated independently)	It takes about 17 minutes to heat the upper platen to 80°C
4.2.6	Temperature uniformity	±2℃	
4.2.7	Temperature range	Normal temperature -100℃ (adjustable)	Customizable
4.2.8	Production efficiency	Depends on the product	The fastest single process cycle is about 50 seconds
4.2.9	Vacuuming time	Vacuum reaches -98 in about 20 seconds	
4.2.10	Working environment	10—60℃	
4.2.11	Working humidity	40%—95%RH	
4.2.12	Laminating platform size	600mm*900mm	
4.2.13	Laminating height	50MM	Distance between platform and fitting frame
4.2.14	Platform operation mode	Automatic in and out mode	
4.2.15	Operation table height	770mm	Distance from operating platform to ground
4.2.16	Laminating method	Vacuum first and then laminating	
4.2.17	Maximum pressing force	4000N*5	6000N*5 Customizable
4.2.18	Starting method	Press double button to start	Can set single button start

4.3 Control Program

No.	Item	Specification	Remark
4.3.1	Control system	Touch integrated control system	
4.3.2	Operation interface	7-inch touch screen Chinese /English pages	
4.3.3	Drive mode	Cylinder drive	
4.3.4	Parameter setting	Set the pressing parameters on the touch screen according to product	1. Vacuuming time;2. Pressing time; 3. Decompression time; 4.

		needs	Vacuuming delay mode; 5. Pressing plate rising delay
4.3.5	Manual mode	Conduct various functional tests	Mainly used for machine adjustment and testing
4.3.6	Permission and password	Administrator privileges are required to enter parameter settings	

4.4 Safety Measures

No.	Item	Specification	Remark
4.4.1	Operational safety	Emergency stop button	When the emergency button is pressed, the operating mechanism will immediately stop all actions
4.4.2	Electricity safety	Leakage protection switch	Automatic tripping due to leakage
4.4.3	Alarm prompts	Buzzer alarm	The alarm will sound when the machine fails
4.4.3	Safety grating	Touch alarm	Non-standard configuration (optional)

4.5 Accessories List

No.	Item	Specification	Remark
4.5.1	Control program	7-inch integrated control system	
4.5.2	Cylinder	Airtac	
4.5.3	Guide rail	HIWIN	
4.5.4	Bearing	YTP	
4.5.5	Oil-water filter	Airtac	
4.5.6	Hydraulic damper	Airtac	
4.5.7	Pneumatic ball valve	Erwei	
4.5.8	Solid-state relay	Longke	
4.5.9	Power supply	Meanwell	
4.5.10	Solenoid valve	Airtac	
4.5.11	Upper and lower thermostats	Omron	
4.5.12	Precision pressure regulating valve	Airtac	
4.5.13	Digital negative pressure gauge	SMC	
4.5.14	Digital positive pressure gauge	SMC	
4.5.15	Residual current circuit breaker	Chint	
4.5.16	Vacuum pump	Leino	

5. Equipment acceptance

1. Acceptance according to product specifications

2. Acceptance of equipment composition and standards (specifications)

3. Preparation of customer sample test: 10 PCS of samples are prepared, test time: three days before shipment.

6. After-sales service

6.1 Equipment warranty period: one year

6.2 Warranty scope: whole machine (excluding consumables, not including human non-machine failure)

6.3 Paid repair: Failures caused by natural disasters, accidents, relocation, human operating errors, and consumables beyond the one-year warranty period shall be borne by the customer.

Repair method: 24-hour response, 48-hour maintenance service (except for special circumstances during holidays)

7. Equipment delivery

7.1 copy of product specification

7.2 copy of product manual

7.3 One free training guidance service (only in Shenzhen)

- Equipment installation
- Introduction to equipment functions
- Equipment parameter settings
- Common equipment troubleshooting
- Equipment maintenance
- Other matters needing attention