



1. Product introduce

TOB-PTL-MMB01 Constant temperature dip coating machine is designed for the research of liquid-phase epitaxial thin films. Through lifting the filaments, vertical impregnation lifting sample, so that the sample is impregnated in the liquid-phase thin film material for a period of time and then lifted out and then the sample surface grows a certain thickness of the film. TOB-PTL-MMB01 lifting coating machine control panel adopts key type control panel, and a single-chip microcomputer to control the filament lifting and lowering speed, so that lifting and lowering the machine to run smoothly and accurately.

Equipment through the microcontroller control panel on the sample for one-way control, you can set up the running speed and stroke by pressing the descending key, so that the sample to a certain speed immersed in the film liquid. The dipping time is controlled by the individual. After the impregnation time is reached, manually switch to the rising key, and set the rising speed and stroke to make the sample piece pull back. The dipping and drying times can be set according to individual requirements. This machine is equipped with a constant temperature drying oven with a temperature of up to 100 °C, so that the film impregnation and lifting process is carried out at a constant temperature. PTL-MMB01 lifting and coating machine has a compact size, which can save laboratory space; simple

operation, suitable for beginners; easy to clean. Therefore, this machine is widely used in the laboratories of colleges and universities, research institutes and enterprise units.

2. Main features:

- Provides a stable, constant-temperature dipping and lifting coating environment.
- The whole process of dipping and lifting coating is carried out in a constant temperature field, which is favorable for film formation and curing.
- Certified by CE.
- Adopts suspension motor technology for vibration damping.
- Adopts high-precision stepping motor.


3. Technical parameters

Product name	Constant Temperature Dip Coating Machine
Product model	TOB-PTL-MMB01
Installation condition	<p>This equipment should be used at an altitude < 1000m, at a temperature of 25°C±15°C and a humidity of 55%Rh±10%Rh.</p> <ol style="list-style-type: none"> 1. Water: not required 2. Electricity: AC220V 50Hz, must have good grounding 3. Gas: not required 4. Bench: size 800mm×600mm×700mm, load-bearing 200kg or above 5. Ventilation device: not required
Main parameters	1. Supply power and voltage: 220V 850W
	2. Dip speed: 1mm/min-200mm/min
	3. Temperature: RT-100°C
	4. Effective dipping length: 60 mm
	5. Setting of dipping and drying time: 1-999s



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	6. Dipping number: 1-20 times	
	7. Lift load $\leq 100\text{g}$	
	8. Sample size: 75mm \times 25mm \times 2.5mm	
	9. Dimension: 450mm \times 500mm \times 970mm	
	Thermostat box technical parameters: 1. Temperature range: room temperature +5~100°C. 2. Temperature fluctuation: $\pm 1.5^\circ\text{C}$ 3. Outside dimension: 460 \times 510 \times 695	

4. Standard accessories

NO.	Item	QTY	Remark
1	Sample fixture	1SET	-
2	Loading cup	1PCS	-
3	Dip filament	3PCS	-