

Constant Temperature Vertical Dip Coating Machine

Item Number: TB26



Introduction

Constant temperature vertical dip coating machine delivers programmable precision withdrawal controlled immersion and drying for uniform liquid phase thin film growth in research laboratories materials development and process optimization with PLC control touchscreen operation and an integrated oven.

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Parameter	Specification
Product item number	TB26
Product name	Constant-temperature vertical dip coating machine
Installation power supply	Single-phase AC220V 50/60Hz; one Chinese standard 10A socket and one Chinese standard 16A socket required
Installation grounding and protection	Good grounding required; a 16A air circuit breaker must be installed upstream
Site environment	Temperature 25°C±15°C; humidity 55%Rh±10%Rh
Lifting main unit rated power	50W
Lifting main unit working voltage	DC24V 3.75A; standard AC100~240V power adapter
Type	Program-controlled, constant-temperature type with constant-temperature oven
Drive motor	High-precision stepper motor
Speed setting range	1~200mm/min (increase/decrease increment: 1mm)
Immersion dwell time	1~999s (increase/decrease increment: 1S)
Baking dwell time	1~999s (increase/decrease increment: 1S)
Lifting travel	1~270mm (increase/decrease increment: 1mm)
Lifting cycle count	1~20 times
Sample substrate size	Max: (length)400mm×(width)230mm×(thickness)1~10m
Effective immersion depth	≤200mm
Maximum lifting load	≤5.5kg
Lifting display control	4.3-inch color touchscreen
Complete unit dimensions	(width)636mm×(depth)680mm×(height)1520mm
Complete unit weight	≈75kg, including constant-temperature oven
Oven working voltage	Single-phase AC220V 50/60Hz
Oven rated power/current	2.5KW/11.3A
Oven heating method	Natural convection
Oven operating temperature range	RT room temperature~+200°C
Oven temperature-control accuracy	±1.5°C

Parameter	Specification
Oven timing method	Constant-temperature timing/running timing; timing function can be selected on or off
Oven timer range	0~9999 minutes/hours
Oven temperature control/setting method	Dual-row digital PID/four-button setting
Oven temperature display	Measured temperature: upper 4-digit digital display (PV); set temperature: lower 4-digit digital display (SV)
Oven thermocouple	PT100
Oven internal dimensions	(width)500mm×(depth)450mm×(height)550mm
Oven internal volume	125L
Standard power adapter input	AC100-240V50/60Hz
Standard power adapter output	DC-24V 3.75A
Actual equipment power supply	Refer to the nameplate attached to the rear of the equipment
Optional oven power supply	Customizable single-phase AC110V 50/60Hz constant-temperature oven