

KW-4B

STANDARD KEYPAD SPIN COATER

The KW-4B is a standard manual spin coating system engineered with a durable tactile keypad interface. Designed with a robust fluid isolation seal configuration, it supports two user-defined speed steps per recipe for controlled thin-film deposition workflows on substrates up to 120 mm.

AT A GLANCE

Max Substrate	Ø 120 mm (5")
Speed Range	50 – 10,000 rpm
Interface	Tactile Keypad
Speed Stability	± 1 rpm
Program Steps	2-Step Configurable



Fluid Isolation Architecture

Mechanical seals prevent aggressive process chemicals and solvents from entering the drive motor compartment, protecting internal electrical systems.

Multi-Stage Speed Profiles

Supports two independent, user-defined program steps per recipe for controlled thin-film deposition sequences.

Tactile Keypad Interface

Features robust, chemical-resistant mechanical buttons alongside independent dual LED digital displays for rotational speed and timing.

Single-Button Operations

Integrates a single manual control button for spin start, pause, reset, and vacuum pump on/off, simplifying manual workflows.

Technical Specifications

Process Capabilities	
Substrate Compatibility	5 mm up to Ø 120 mm (5 inches)
Chucks type	Specially designed anti-intrusion vacuum chucks
Speed Range	50 – 10,000 rpm
Speed Stability / Uniformity	± 1 rpm / ± 1 %
Control System & Interface	
Control Method	Set speed and time with the keypad
Display Technology	Dual LED (Rotational Speed & Countdown display)
Data Storage	Supports 2 user-defined program steps for each recipe
Step Time	0 – 999 seconds per step
Power & Vacuum System	
Power Supply (Spin Coater)	AC 100–250 V, 1-Phase, 50/60 Hz
Power Consumption (Coater / Pump)	200 W / 180 W
Power Supply (Vacuum Pump)	AC 220V Standard / AC 110V Optional
Pumping Speed / Max Vacuum	≥ 60 L/min / -85 kPa
Facilities & Mechanical Data	
Dimensions: Coater Unit (W×D×H)	210 mm × 220 mm × 160 mm
Dimensions: Pump Unit (L×W×H)	185 mm × 100 mm × 210 mm
System Weight	10 kg (Coater) / 4.5 kg (Pump)
Operating Environment	0 - 40 °C / < 85% RH / Acoustic Level: ≤ 55 dB
Warranty	1 Year

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