

KW-4BC

TOUCH SCREEN SPIN COATER

The KW-4BC is a manual spin coating system controlled via an interactive 4.3-inch touch interface. It features programmable speed steps alongside integrated hardware-level substrate alarms and resist protection configurations to support precise and repeatable thin-film processing on substrates up to 120 mm.



AT A GLANCE

Max Substrate	Ø 120 mm (5")
Speed Range	50 – 10,000 rpm
Speed Stability	± 1 rpm
Coating Uniformity	± 1 %
Interface	4.3" Touch Screen

Substrate Detachment Alarm

Incorporates an anti-flying safety mechanism that detects rotational instability and triggers active alarms during high-RPM operations.

Glue Intrusion Protection

Features an anti-adhesive barrier module designed to block resist penetration, preserving internal bearing and motor longevity.

Interactive Program Controls

Equipped with a 4.3-inch resistive touch screen interface supporting customized segment definitions of up to 10 independent speed steps.

Process Complete Warning

Includes an automatic pick-up alert function that issues an audible tone to signal the end of the execution cycle.

SETCAS ELECTRONICS CO., LIMITED

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Technical Specifications

Process Capabilities	
Substrate Compatibility	5 mm up to Ø 120 mm (5 inches)
Speed Range	50 – 10,000 rpm
Motor Speed Stability	± 1 rpm
Spin Coating Uniformity	± 1 %
Rotation Direction	Bidirectional (Clockwise / Counterclockwise)
Control System & Interface	
Human-Machine Interface (HMI)	4.3-inch Touch Screen
Stylus	BAMBOO Resistance Pen (Standard)
Data Storage	Unlimited recipes (Standard: 10 speed steps per recipe)
Step Time	0 – 10,000 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 / 350 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
System Weight	10 kg (Coater) / 9 kg (Pump)
Relative Humidity / Ambient Temp	< 85% / 0 - 40 °C
Warranty	1 Year

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