

TECHNICAL DATA SHEET

Levon™ IC5000-S Heated Spin Coater

Heated spin stage RT to 150°C · 100–5,000 rpm · up to 100 recipes × 100 steps



Levon™ IC5000-S Heated Spin Coater — Representative Configuration

The Levon™ IC5000-S Heated Spin Coater combines temperature-controlled heating and spin coating on one stage. Image shown for reference; final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Levon™ IC5000-S Heated Spin Coater is a compact spin coater with a newly designed stage for simultaneous temperature-controlled heating and spin coating: spin table heating from RT to 150°C, spin speeds of 100–5,000 rpm and up to 100 recipes of 100-step programs.

The IC5000-S is supplied with an adjustable jaw chuck stage for 10–35 mm square or circular substrates (other specifications customizable). It has an HDPE polymer inner cavity, a PC transparent cover and a sheet metal shell, a thermal insulation design and low-voltage heating elements, and can be upgraded with a precise metering automatic dispensing function.

SECTION II

Core Advantages

- **Heated spin stage** Newly designed stage with simultaneous temperature-controlled heating and spin coating functionality.
- **Thermal insulation** Thermal insulation design.
- **Temperature control** Temperature resolution 0.1°C; temperature control accuracy $\leq \pm 0.5^\circ\text{C}$ (after temperature is stabilized); spin table temperature uniformity $\leq \pm 2\%$.
- **HDPE inner cavity, PC cover** HDPE polymer inner cavity, PC transparent cover and sheet metal shell.
- **Low-voltage heating elements** Low-voltage heating elements.
- **Dispensing upgrade** Upgradeable with an additional precise metering automatic dispensing function.

SECTION III

Specifications

Technical data — IC5000-S

Specifications	
Parameter	Specification
Brand	Levon™ by ACS Material
Product Name	Levon™ IC5000-S Heated Spin Coater
Model	IC5000-S
SKU #	LVIC5000
Product type	Heated spin coater
Spin table heating temperature range	RT to 150°C
Temperature resolution	0.1°C
Temperature control accuracy	$\leq \pm 0.5^\circ\text{C}$ (after temperature is stabilized)
Spin table temperature uniformity	$\leq \pm 2\%$
Spin speed range	100–5,000 rpm
Speed resolution	1 rpm
Acceleration adjustment range	100–5,000 rpm/s
Maximum single-step spin time	3,000 s
Time resolution	0.1 s
Programs	Up to 100 recipes of 100-step programs; more can be expanded
Standard chuck stage	Adjustable jaw chuck stage, compatible with 10–35 mm square or circular substrates (other specifications customizable)
Construction	HDPE polymer inner cavity, PC transparent cover, sheet metal shell
Option	Precise metering automatic dispensing function (upgrade)
Dimensions [W × D × H]	268 × 340 × 255 mm
Packing	Carton packaging
Warranty	1-year product warranty

Scope of delivery

- **Standard configuration:** one IC5000-S main unit with the standard adjustable jaw chuck stage (10–35 mm square or circular substrates).
- **Optional, not included** — precise metering automatic dispensing function; other chuck stage specifications (custom).

SECTION IV

Applications

For processes that need the substrate heated while it is spun, with spin table heating from RT to 150°C and $\leq \pm 0.5^\circ\text{C}$ control accuracy after stabilization. Application areas include thin-film research for perovskite solar cells and organic optoelectronic semiconductor devices.

Product value: simultaneous heating (RT to 150°C) and spin coating (100–5,000 rpm) with storage for up to 100 recipes of 100 steps each and a dispensing upgrade path.

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