

TECHNICAL DATA SHEET

Levon™ EZ4-S Compact Spin Coater

Brushless DC motor · 100–9,999 rpm · 5 programs × 5 steps · recommended for round substrates up to 4 inches · aluminum or PP housing



Levon™ EZ4-S Compact Spin Coater — EZ4-S configuration shown

The Levon™ EZ4-S Compact Spin Coater is a compact spin coater offered with an aluminum alloy housing (EZ4-S) or a corrosion-resistant PP housing (EZ4-S-PP). Image shown for reference; final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Levon™ EZ4-S Compact Spin Coater is a compact spin coater with a brushless DC motor, a rotation speed range of 100–9,999 rpm, programmable acceleration/deceleration with multi-step recipes, and a maximum recommended spin coating diameter of 4-inch round substrates. It is offered in two housing configurations: EZ4-S (aluminum alloy housing) and EZ4-S-PP (corrosion-resistant PP housing).

The EZ4-S combines an LCD text display and a color-coded membrane keypad with a constant-torque positioning hinge and a single-mold cavity with a quick-disassembly design for easy cleaning and replacement. Single-step or multi-step operation can be selected with a configurable program of up to 5 programs × 5 steps (up to 5 groups of 5-step recipes), and the compact design is glovebox-compatible. Vacuum chucks in three specifications (10 mm, 25 mm and 2-inch) are included in the standard configuration.

SECTION II

Core Advantages

- **Compact, glovebox-compatible design** Suitable for glovebox setups, with a constant-torque positioning hinge on the lid.
- **LCD display and membrane keypad** LCD text display with a color-coded membrane keypad.
- **Brushless DC motor** Brushless DC motor, 100–9,999 rpm; maximum recommended spin coating diameter: 4-inch round substrates.
- **Quick-disassembly mold cavity** Single-mold cavity with a quick-disassembly design for easy cleaning and replacement.
- **Programmable multi-step recipes** Programmable acceleration/deceleration control with multi-step recipe capability; single-step or multi-step operation with a configurable program of 5 programs × 5 steps.
- **Two housing configurations** Aluminum alloy housing (EZ4-S) or corrosion-resistant PP housing with a corrosion-resistant transparent cover (EZ4-S-PP).

SECTION III

Specifications

Technical data — EZ4-S

Specifications	
Parameter	Specification
Brand	Levon™ by ACS Material
Product Name	Levon™ EZ4-S Compact Spin Coater
Models	EZ4-S / EZ4-S-PP
SKU #	LVEZ4SAL (EZ4-S) / LVEZ4SPP (EZ4-S-PP)
Product type	Spin coater
Rotation speed range	100–9,999 rpm
Speed resolution	1 rpm
Adjustable acceleration range	100–9,999 rpm/s
Maximum single-step length	3,000 s
Time resolution	1 s
Programs	Single-step or multi-step operation; configurable, up to 5 programs × 5 steps
Motor	Brushless DC motor
Maximum recommended spin coating diameter	4-inch round substrates
Display and controls	LCD text display, color-coded membrane keypad
Standard vacuum chucks	10 mm, 25 mm, 2-inch
AC input	100–230 V (wide voltage compatibility)
Warranty / quality assurance	EZ4-S: 1-year product warranty; EZ4-S-PP: 1-year product quality assurance

Configurations — EZ4-S / EZ4-S-PP

Configurations		
Parameter	EZ4-S	EZ4-S-PP
SKU #	LVEZ4SAL	LVEZ4SPP
Housing	Aluminum alloy housing	Corrosion-resistant PP housing
Lid	Constant-torque positioning hinge	Corrosion-resistant transparent cover with constant-torque positioning hinge
Dimensions [W × D × H]	210 × 285 × 220 mm	215 × 285 × 222 mm
Packing	Carton packaging	Paper case
Performance and programs	Identical published values: 100–9,999 rpm, 100–9,999 rpm/s, 3,000 s/step, 5 programs × 5 steps	

Scope of delivery

- **Standard configuration:** one main unit (EZ4-S or EZ4-S-PP, as ordered) with vacuum chucks in three specifications: 10 mm, 25 mm and 2-inch.
- **Housing option** — corrosion-resistant PP housing = model EZ4-S-PP (SKU LVEZ4SPP).

SECTION IV**Applications**

For spin coating round substrates up to the 4-inch maximum recommended diameter in a compact format, including glovebox setups (glovebox-compatible design). Application areas include thin-film research for perovskite solar cells and organic optoelectronic semiconductor devices.

Product value: a compact, programmable spin coater with a brushless DC motor, 100–9,999 rpm, 5 programs × 5 steps and two housing options.

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