SCI-225 Spin Coater

- Rotational speed from 300 rpm to 13.500 rpm
- Efficient speed control to +/- 1rps
- OLED display (font colour white) with large reading angle
- "Passive" vacuum suction of the samples at higher speeds
- Non-volatile storage of the last selected speed
- Film thickness range 10 nm to 10 µm
- Easy-to-use and maintenance free design
- Rotational platforms for substrates up to 38 mm diameter
- Small dimensions, well suited for use within glove boxes
- Dimensions only 118mm x 69mm (diameter x height) with 13mm protrusion for the control knob
- All-metal housing with stainless steel bowl and PTFE cover
- External plug-in power supply
- Energy-efficient operation thanks to the use of state-of-the-art components
- Attractive price/performance ratio

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SCI-225

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SCI-225 Spin Coater

The SCI-225 spin coater helps you prepare thin films easily within a few minutes. Films are produced on a substrate that is fixed to an exchangable rotational platform. The SCI-225 spin coater does not require a separate pump—instead, it uses a *passive* vacuum that is created by the rotation of the particularly designed chucks. These chucks feature radial channels, connecting the volume beneath the substrate and the outer rim of the chuck. Chucks have to fit more or less exactly into the usually circular cutout of the chuck in order to stay there during spin-up.
Both circular and rectangular substrates up to 38 mm diameter can be placed on the rotational platform (various sizes available, see the accessories list).
The resulting film thickness merely depends on the solid/solvent concentration, rotational speed, and time.
The ergonomic design makes the SCI-225 spin coater an efficient tool for the preparation of thin films of organic and inorganic substances for microscopic or spectroscopic investigations.
Spin coating using the SCI-225 spin coater neither requires specific skills nor prior experience and is maintenance free.
During operation, a built-in digital OLED display informs about the current rotational speed (in rotations per second).
Operating the SCI-225 spin coater is as easy as selectring a rotational speed by turning a single potentiometer and pressing the start button. Using the SCI-225 spin coater, thin and ultra thin layers of extraordinary homogeneity are easily achieved.

Dimensions: 118 mm Ø, 69 mm height with 13 mm protrusion for the control knob.

Accessories for the SCI-225
Rotational platforms are made of aluminium (ST 20) or stainless steel (VA).
For the SCI-225, the sample substrate size has to match the rotational platform inner diameter. Rotational platforms have to be ordered separately and are available with customized inner diameters between 10 mm to 38 mm; please specify upon ordering.

The SCI-225 spin coater is delivered with a switching power supply (voltage input from 100 V to 240 V) and an ST 20 rotational platform ("chuck") for substrates of 10 mm diameter.

Chuck	OD/mm	ID/mm
ST 20	20	10
ST 20 K	20	customized 10 .. 19
ST 40	40	20
ST 40 K	40	customized 20 .. 38

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