Spin Coater SCR

- Rotational speed up to 6.000 rpm
- Active vacuum suction of the sample
- OLED display
- Newly developed control electronics
- Film thickness range 10 nm to 10 µm
- Easy-to-use and maintenance free design
- Single-knob setup with colored status LED
- Rotational platforms for substrates up to 50 mm diameter
- Standard stuck (30 mm diameter) included
- Built-in short fixed ramp
- Speed selection between 5 rps and 100 rps (300 rpm and 6000 rpm)
- Selected speed value stored in non-volatile memory, immediately available after repowering

SCR

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SCR Spin Coater

The SCR 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 by a pump-generated underpressure. Both circular and rectangular substrates up to 50 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.

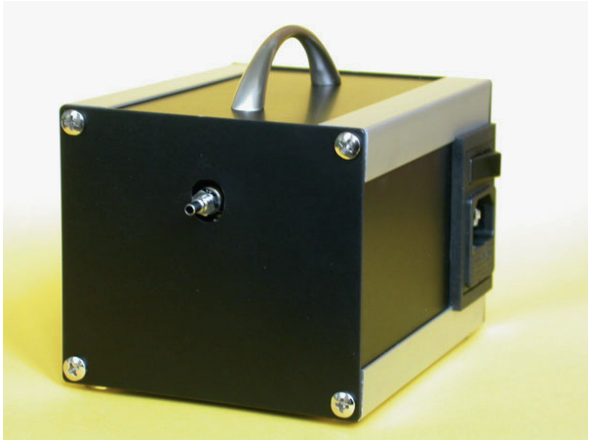
The ergonomic design makes the SCR spin coater an efficient tool for the preparation of thin films of organic and inorganic substances for microscopic or spectroscopic investigations.
The SCR spin coater comes with a short fixed ramp. Rotational speeds can be selected from 5 rps to 100 rps (300 rpm to 6000 rpm). The last rotational speed set is stored in a non-volatile memory and thus is immediately available after the next powering up.
During operation, a built-in digital OLED display informs about the current rotational speed in rotations per second (rps).
Operating the SCR spin coaters is as easy as selectring a rotational speed by turning a single digital encoder knob and pressing the same to start spinning. The integrated LED indicates the device status through different colors.
Materials used are anodized aluminium for the housing, stainless steel for the top and PTFE for the detachable protection cover.

As a high quality product, the SCR spin coater comes with a two-year guarantee.

Accessories for the SCR spin coater

- Vacuum pump **MVP** with hose and quick coupling (highly recommended)
- VT-25p: rotational platform (plane chuck; Ø 25 mm, for small and irregularly shaped subtrates)
- VT-25pr6: VT-25p with inserted O-ring 6x1
- VT-25pr20: VT-25p with inserted O-ring 20x1
- VT-25pr: VT-25p with inserted O-rings 6x1 and 20x1
- VT-30 rotational platform (Ø 30 mm)
- VT-50 rotational platform (Ø 50 mm)

All rotational platforms are made of aluminium.
Regular platforms are equipped with small channels on their surface to ensure uniform pressure on the substrate.
Plane platforms lack these channels; evacuation is performed exclusively through the center hole. This arrangement is better suited for small or irregularly shaped substrates that would leave major parts of the channel structure uncovered.
The SCR spin coater comes with a switching power supply and a VT-30 rotational platform.



Small Vaccum Pump MVP

- Underpressure of −33,3 kPa
- Flow of 7 litres/min
- Max. 40 dB(A) noise
- Quick coupling of the vacuum hose