

— turning ideas into solutions

MBRAUN

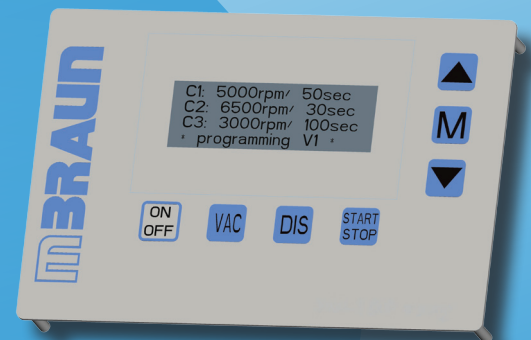
MB SC-200

SPIN COATING OF RIGID SUBSTRATES



THIN FILM TECHNOLOGY

- Wafers up to 8" or substrates up to 6"x6"
- Standardized and customized vacuum chucks
- Speed from 100 up to 7.000 rpm
- Recipe programmable process parameters
- Main control with human machine interface (HMI)
- Comprehensive set of optional upgrades



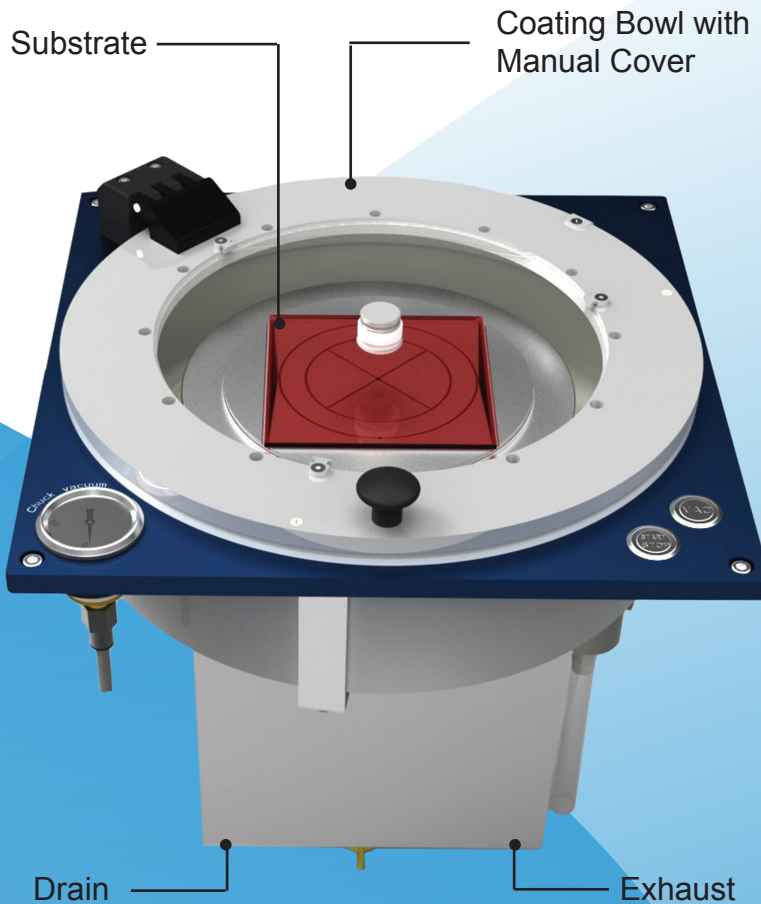
The spin coating technique is commonly used in research and development as well as in industrial applications to coat thin layers onto rigid substrates.

The MBRAUN MB SC-200 was designed to be fully integrated into inert environments and meets all requirements for those who need a cost efficient and reliable coating solution.

Easy programming of individual recipes include speed, acceleration and time. This gives users the flexibility to conduct advanced research, especially when air sensitive materials are being utilized (e.g. organic electronics).

A variety of optional accessories are available like a semi-automatic cartridge dispensing system (for 50ml glass syringes), a foot switch, additional protection bowl (for easy cleaning) and the TRD[®] which increases layer uniformities. All these features and options give the ability to configure the MB SC-200 for optimum performance.

A full array of customized and standardized vacuum chucks, equipped with a quick change mechanism completes the comprehensive spin coating package.



MB SC-200 Technical Data:

Power	24VDC / 15A
Speed	100 up to 7.000 rpm +/- 1rpm
Recipes	Up to 10
Segments	Up to 10 segments
Segment time	Up to 999 s
Material	Resistant against most common solvents
Vacuum chuck	Depending on request



Scan this QR Code with your smart phone's bar code reader to download more information including product video.

M. Braun Inertgas-Systeme GmbH (Headquarters)

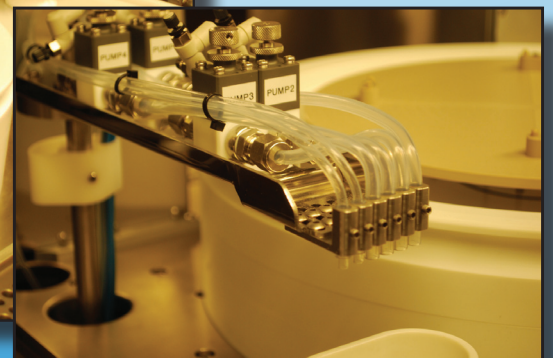
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MB SC ADVANCED

HIGHLY EFFICIENT COATINGS OF ORGANIC MATERIALS



- Main control with human machine interface (HMI)
- Programmable process parameters (motion and media)
- Quick change of substrate chucks
- Manual or automatic dispensing of up to 6 different medias
- Highly uniform and repeatable thin wet layers
- Comprehensive set of optional upgrades
- Variety of standard and custom chucks available
- From laboratory coaters to production scale

THIN FILM TECHNOLOGY

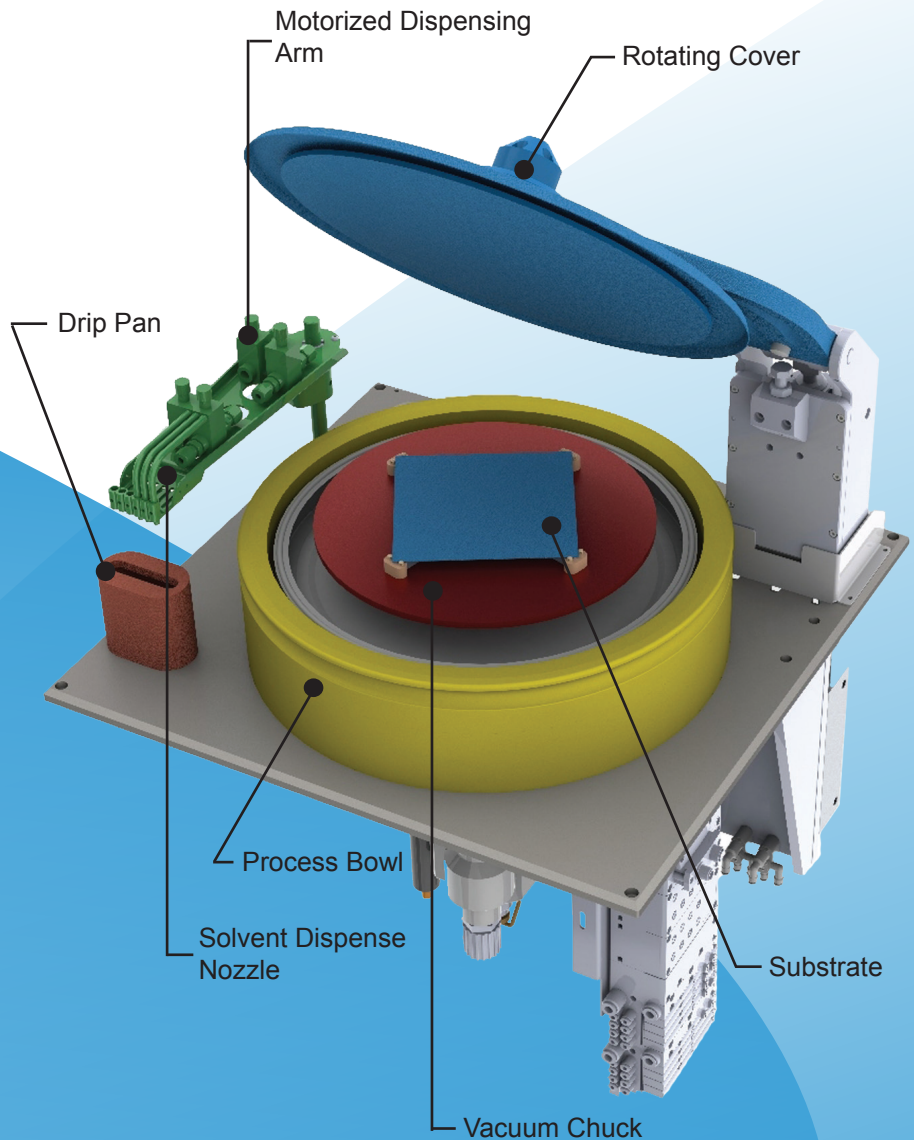
When coating thin layers of wet material onto rigid substrates, it is required that a well established spin coating technology to be commonly used. Adapted designs for organic electronic applications makes these spin coaters of special interest for users who are conducting research in the area of OLED materials and process engineers who are qualifying and optimizing manufacturing processes.

The high effectiveness of these coaters is related to a limited set of parameters (e.g. rotation speed, process time, dispensed material volume) which defines the coating, thus making this tool easy to use and allowing a stable and repeatable process. Compared to other coating techniques, the efficient design offers unmatched investment costs, making it the ideal solution for cost orientated users.

Due to a comprehensive set of optional upgrades, MBRAUN spin coaters can be equipped with additional features enabling the user to fit the tool to his specific needs. Other commonly used features include a rotating cover (reduction of turbulence inside the process chamber), automatic pump dispensing, automatic syringe dispensing and edge handling chucks.

Regardless of what configuration is used, all spin coaters are furnished with a main control and HMI interface which allows users to define process recipes. A glovebox integrated solvent vapor removal system is used in conjunction with spin coaters to protect the environment from harmful concentrations of volatile components.

The multiplicity of possible configurations provides the opportunity to define a coater which fits perfectly to your coating application.



MB SC ADVANCED Technical Data:

Voltage	From 24 VDC up to 230VAC 50/60 Hz*
Speed	1 up to 10,000 rpm in 1 rpm steps*
Acceleration	1 up to 5,000 rpm/sec in steps 1 rpm/sec.*
Spinning Time	0.1 up to 999 sec. in 0.1 sec. steps
Substrate Size	Up to Ø 12" (Ø 300 mm) or 9" x 9" (225 x 225 mm)

* Depending on system configuration



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