BASIXX-SERIES

BASIXX S 20(+)

LABORATORY SPINNER SYSTEM

SEMI-AUTOMATIC

BENEFITS

- ÷ Round wafer up to Ø200 mm
- ÷ Square substrates size up to 150 x 150 mm
- ÷ Controller unit via touch screen
- ÷ Transparent cover with safety interrupt sensor.
- ÷ Process bowl & splash ring exchangeable and easily removable for cleaning.
- ÷ Simply and cost-effective
- ÷ Designed for Institutes, labs and basic R&D

OPTIONAL: (+) with electric media arm

BASIXX SB20+ Laboratory bench mounted version with electric media arm.

BASIXX ST20+ Laboratory table-top version with electric media arm

osiris

LABORATORY SPINNER

BENCH MOUNTED

UP TO 200 MM (8 INCH)

SEMI-AUTOMATIC, SPIN COATING, DEVELOPING, CLEANING AND DRYING SYSTEM.

Bench mounted module BASIXX SB20+

WITH OR WITHOUT ELECTRIC MEDIA ARM

SIMPLE AND COST-EFFECTIVE

DESIGNED FOR INSTITUTES, LABS & FOR R&D

PROPERTIES

Laboratory spinner system is designed to provide users in science, and research with a productive, safe and clean lab module.

- ÷ Built-in unit for existing bench or housing.
- ÷ Manual load-/unloading
- ÷ For substrates up to Ø200 mm (Ø8 inch) or 150 x 150 mm (6 x 6 inch)
- ÷ Software provides user-friendly operation
- ÷ Direct drive spinner motor
- ÷ All axis motor driven and fully programmable
- ÷ Transparent cover with safety interrupt sensor
- ÷ Power button ON / OFF on housing
- ÷ A visual vacuum control gauge
- ÷ Process bowl & splash ring exchangeable and easily removable for cleaning.
- ÷ System material is resistant to all kind of resist´s and solvents and also to a variation of cleaning media. (PP-Polypropylene)
- ÷ Incl. 0,5 ltr. waste bottle
- ÷ Prepared for dispense arm and several options

Optional; with electric media arm
or external media supply cabinets.

FOR INSTITUTES, LABS AND BASIC R&D!

BASIXX SB20+

WITH ELECTRIC MEDIA ARM

Is a bench mounted, spin coating, cleaning, developing and drying semi-automatic system designed to provide users in science, and research with a productive, safe and clean lab system.
The device has an easy-to-use interface with a 7-inch color touch screen. The software contains recipe management, such as writing, editing, saving and loading. A service area offers setting options for the arm & rotary plate and media control. Functions for software updates as well as log files and backups that can be saved via USB stick were also integrated. In the design and construction of this spinning system, great importance was attached to speed and user-friendliness.

TECHNICAL DATA BASIXX SB20 (+)

GENERAL

Substrate Size:	up to Ø200 mm (Ø8 inch) or 150 x 150 mm (6 x 6 inch)
Motor speed:	up to 10.000 rpm, in 1 rpm steps*
Motor acceleration:	up to 4.000 rpm/sec*
Step time:	1 up to 999,9sec, in 0.1 sec steps
Process bowl:	made of PP natural
System frame:	made of PP white

**depending on chuck design, substrate weight and load*

(+) DISPENSE LINE/ PROGRAMMABLE OUTPUT

3 media lines :	2 x 24 V / max. 1 Amp (each) / Trigger point 0.1 sec - ∞
5 media lines :	6 x 24 V / max. 1 Amp (each) / Trigger point 0.1 sec - ∞

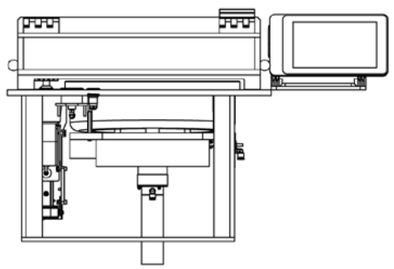
REQUIREMENTS

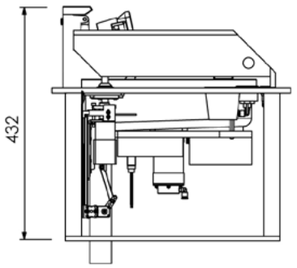
Power:	230 (110) VAC / 1 Phase / N / PE / 50(60) Hz
Vacuum:	-0.8 bar / -600 Torr, tube OD Ø6 mm
Exhaust-process:	2x OD Ø38 mm, approx. 30m3/h
Nitrogen (optional):	4 ± 0.2 bar, PFA tube OD Ø6 mm**
CDA (optional):	8 ± 2 bar, Tube OD Ø8 mm**

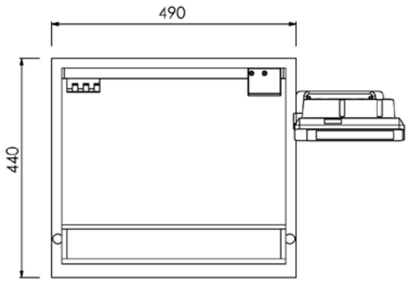
***diameter depending on configuration*

DIMENSIONS (WXDXH) approx.

Bench mounted unit:	490 x 440/500 x 432 mm, (19.3 x 17.3/19.7 x 17.0 inch)
Height (lid open):	480 mm (18.9 inch)







LABORATORY SPINNER

TABLE-TOP

UP TO 200 MM (8 INCH)

SEMI-AUTOMATIC, SPIN COATING, DEVELOPING, CLEANING AND DRYING SYSTEM.

Table-top version
BASIXX ST20+

PROPERTIES

Laboratory spinner system is designed to provide users in science, and research with a productive, safe and clean lab module.

- ÷ Compact design as a table-top version
- ÷ Manual load-/unloading
- ÷ For substrates up to Ø200 mm (Ø8 inch) or 150 x 150 mm (6 x 6 inch)
- ÷ Software provides user-friendly operation
- ÷ Direct drive spinner motor
- ÷ All axis motor driven and fully programmable
- ÷ Transparent cover with safety interrupt sensor
- ÷ Power button ON / OFF on housing
- ÷ A visual vacuum control gauge
- ÷ Process bowl & splash ring exchangeable and easily removable for cleaning.
- ÷ System material is resistant to all kind of resist´s and solvents and also to a variation of cleaning media. (PP-Polypropylene)
- ÷ Incl. 0,5 ltr. waste bottle
- ÷ Prepared for dispense arm and several options

Optional; with electric media arm
or external media supply cabinets.

IDEAL FOR LOW VOLUME PRODUCTION

BASIXX ST20+

WITH ELECTRIC MEDIA ARM

Is a bench mounted, spin coating, cleaning, developing and drying semi-automatic system designed to provide users in science, and research with a productive, safe and clean lab system.
The device has an easy-to-use interface with a 7-inch color touch screen. The software contains recipe management, such as writing, editing, saving and loading. A service area offers setting options for the arm & rotary plate and media control. Functions for software updates as well as log files and backups that can be saved via USB stick were also integrated. In the design and construction of this spinning system, great importance was attached to speed and user-friendliness.

WITH OR WITHOUT ELECTRIC MEDIA ARM
COMPACT DESIGN AS A TABLE VERSION
USER-FRIENDLY GRAPHICAL USER INTERFACE

TECHNICAL DATA BASIXX ST20 (+)

GENERAL

Substrate Size:	up to Ø200 mm (Ø8 inch) or 150 x 150 mm (6 x 6 inch)
Motor speed:	up to 10.000 rpm, in 1 rpm steps*
Motor acceleration:	up to 4.000 rpm/sec*
Step time:	1 up to 999,9sec, in 0.1 sec steps
Process bowl:	made of PP natural
System frame:	made of PP white

**depending on chuck design, substrate weight and load*

(+) DISPENSE LINE / PROGRAMMABLE OUTPUT

3 media lines :	2 x 24 V / max. 1 Amp (each) / Trigger point 0.1 sec - ∞
5 media lines :	6 x 24 V / max. 1 Amp (each) / Trigger point 0.1 sec - ∞

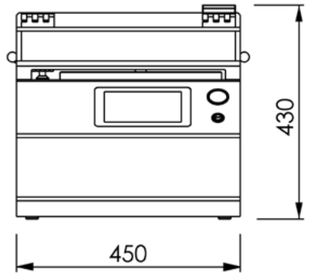
REQUIREMENTS

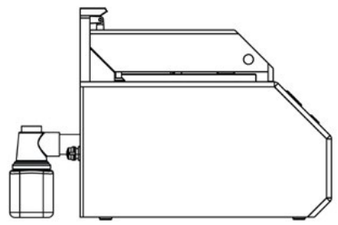
Power:	230 (110) VAC / 1 Phase / N / PE / 50(60) Hz
Vacuum:	-0.8 bar / -600 Torr, tube OD Ø6 mm
Exhaust-process:	2x OD Ø38 mm, approx. 30m3/h
Nitrogen (optional):	4 ± 0.2 bar, PFA tube OD Ø6 mm**
CDA (optional):	8 ± 2 bar, Tube OD Ø8 mm**

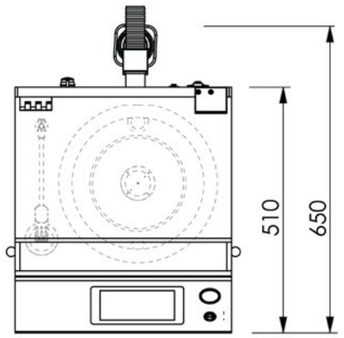
***diameter depending on configuration*

DIMENSIONS (WXDXH) approx.

Table top system:	450 x 510/650 x 430 mm, (17.7 x 20.1/25.6 x 16.9 inch)
Height (lid open):	760 mm (29.9 inch)







CONTROL UNIT (biS)

BASIXX-Software (biS) Osiris user interface

÷ 7" color touch screen as user terminal
÷ Language: German, English, French or Spanish
÷ Recipe editor to write, manage and system configure.
÷ Recipe storage function on flash drive or memory stick.
÷ Library function for recipes, flows, log file (e.g. error tracking history)
÷ User management with password-protected service access.
÷ Update & backup function via USB or intranet connection

ELECTRICAL MEDIA ARM - OPTIONAL -

÷ Programmable media arm (motor driven)
÷ Programmable arm lift drive (Z axis)
÷ All axis programmable in speed and position
÷ Up to 3 media lines/nozzles (5 nozzles optional)
÷ Stainless steel drip pan

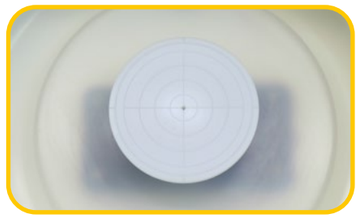
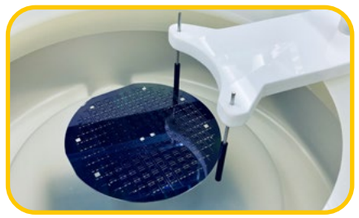
Can be equipped with:

÷ External media lines (DI water, N2)
÷ Resist dispense via OSIRIS PD-10 (membrane dispense pump)
÷ EBR (edge-bead removal) nozzle

OPTIONS

1. Electronic media arm
2. Media tank systems
3. Splash-ring for wet application
4. Waste canister 5 ltr.
5. External media supply (DI water, nitrogen blow)
6. Exchangeable process bowls
7. Hotplate for stand-alone housing
8. Chucks
9. Resist dispense pumps
10. Manually-Centering-Tool




CHUCK DESIGNS

÷ Standard vacuum chuck w/o pins (needs manual alignment tool)
÷ Standard vacuum chuck with pins
÷ Low-contact chuck
÷ Wet low-contact bowl-chuck
÷ Resin Trap Chuck (RTC)

All chucks are customizable in order to material & design.

Option: Resist dispense via OSIRIS PD-10 (membrane dispense pump)

DISPENSE LINE /PROGRAMMABLE OUTPUT

(only for system with media arm)

3 media lines : 2 x 24 V / max. 1 Amp (each) / Trigger point 0.1 sec - ∞
5 media lines : 6 x 24 V / max. 1 Amp (each) / Trigger point 0.1 sec - ∞

DESIGN VARIATIONS

System types available for up to 200mm.

LABARATORY SPINNER - WITH MEDIA ARM -

Bench mounted module
BASIXX SB20+
Dimensions (WxDxH) approx.
490 x 440/500 x 432 mm, (19.3 x 17.3/19.7 x 17.0 inch)


Table-top system
BASIXX ST20+
Dimensions (WxDxH) approx.
450 x 510/650 x 430 mm, (17.7 x 20.1/25.6 x 16.9 inch)


Double base frame - stand-alone system
BASIXX SH22+ (with hotplate module)
Dimensions (WxDxH) approx.
1200 x 600/825 x 960/1.335 mm
(47.3 x 23.6/32.5 x 38/52.6 inch)


LOCATIONS

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