

Two strong type in one instrument

The Combi-equipment of the SAWATEC AG connect the Spin-Module- and the Hotplate-line in one. The Combi-equipment of SAWATEC AG will convince you of high uniformity and repeatability combined with easy handling and they are its robust design and ease of operation.

For pilot projects, institutes, research and development.



PROCESSES:

- ↕ Coating
- ↕ Etching
- ↕ Cleaning
- ↕ Developing
- ↕ Rinsing / Drying
- ↕ Soft-bake
- ↕ Hard-bake

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Pictures may show standards with options.

FEATURES

- ⇒ POM made bowl assembly is capable up to 6" or 5"x5" (176mm)
- ⇒ Easy change of chuck typ, without any tools
- ⇒ Processcontroller with touch tanel 5,7" monochrom
- ⇒ Processparameter: speed(rpm), acceleration, time(sec.)
- ⇒ Up to 50 recipes (24 segments per recipe)
- ⇒ Substrate loading: manual
- ⇒ Substrate fixation via vacuum and safty interlock protection
- ⇒ Manual cover made of PET with adjustable air flow inlet (Cover open/closed)
- ⇒ Acoustic alarm when process has finalized

OPTIONS

- ⇒ Semi automatic cartridge dispensing system, 50ml glass syringe
- ⇒ Wafer alignment tool 2" - 6" (round)
- ⇒ Footswitch (Cablelength 1.8m)
- ⇒ Anodised aluminium made bowl assembly (additional price increase)
- ⇒ Manual nitrogene purge
- ⇒ Vacuum pump for SM-180 module
- ⇒ Bowl-protection made of PE (10pcs. Set)

PERFORMANCE

- ⇒ Max. speed: 10'000 rpm +/-1rpm
- ⇒ Processparameter: speed 10'000rpm
acceleration 160rpm/s2
time 2376sec
dosing time 99sec/segment
- ⇒ Recipes: up to 50 (depends on the size of each recipe)
- ⇒ Segments: up to 24 segments

CHUCKS

- ⇒ Vacuum chuck specimen
- ⇒ Vacuum chuck 1" bis 3" round
- ⇒ Vacuum chuck 100mm(4") per 150mm(6")
- ⇒ Vacuum chuck 100x100mm (4"x4")
- ⇒ Vacuum chuck 125x125mm (5"x5")
- ⇒ More chucks on request

FEATURES

- ⇒ Digital temperature controller with actual-and nominal value
- ⇒ Max. substrate size 200mm
- ⇒ Substrate loading: manual
- ⇒ Substrat fixation via vacuum
- ⇒ Accuracy of temperature: +/-1°C per 100°C
- ⇒ Pneumatic lift of the lid
- ⇒ Internal height max. 23mm max. substrat thickness 18mm
- ⇒ Heating ramp up possible with 20 program-steps

OPTIONS

- ⇒ Nitrogen flush controlled
 - N2-lid made of anodised aluminium
 - N2 solenoid valve
- ⇒ Proximity as well as loading pins
 - Pneumatic driven pins (stroke 8mm)
 - Manual adjustable proximity pins between 0-1mm (0.1mm increments)
 - Pin made of Inconell with Ceramicball
 - Pin-circel-diameter Ø 45mm
- ⇒ Protection glass without pins
- ⇒ Protection glass with proximity pins

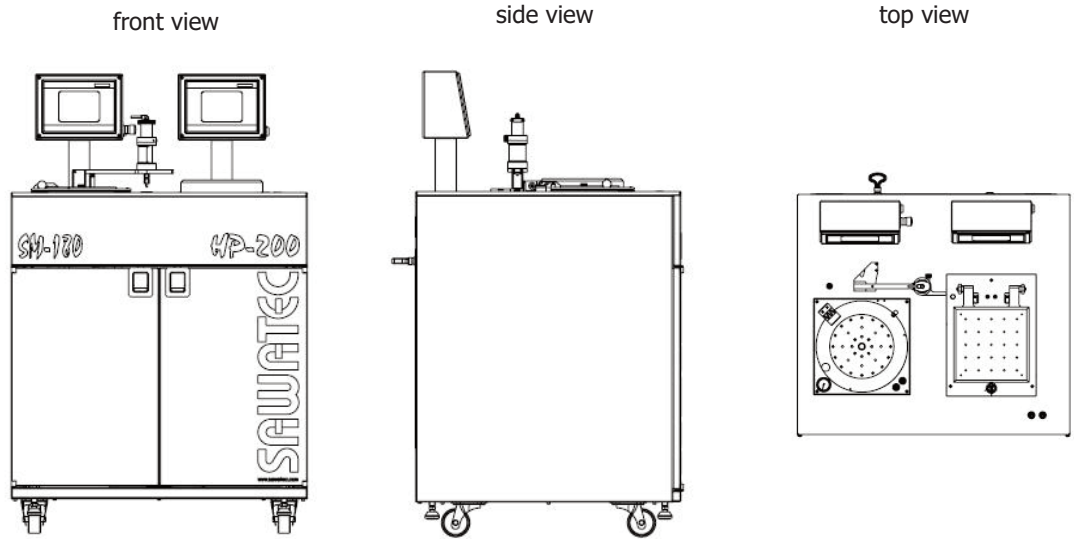
PERFORMANCE

- ⇒ Temperature range: 25 - 250°C
- ⇒ Accuracy of temperature: +/-1°C per 100°C
- ⇒ Substrate loading: manual
- ⇒ Substrat fixation via vacuum manual controlled
- ⇒ Max. substrate size 200mm
- ⇒ Internal height max. 23mm max. substrate thickness 18mm

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VIEWS



REQUIRED MEDIA

- ⇒ 240VAC 50/60Hz 15A
- ⇒ Plugconnector for foot switch
- ⇒ Technical vacuum, tube Ø6/4mm (-0.8bar)
- ⇒ Compressed air, tube Ø6/4mm (6bar)
- ⇒ Exhaust-connector Ø76mm (40-60m³/h)

DIMENSIONS

- ⇒ Size: 850x750x980mm (LxBxH)
- ⇒ Weight: approx. 120kg

DESIGN

- ⇒ Housing: Stainless steel frame

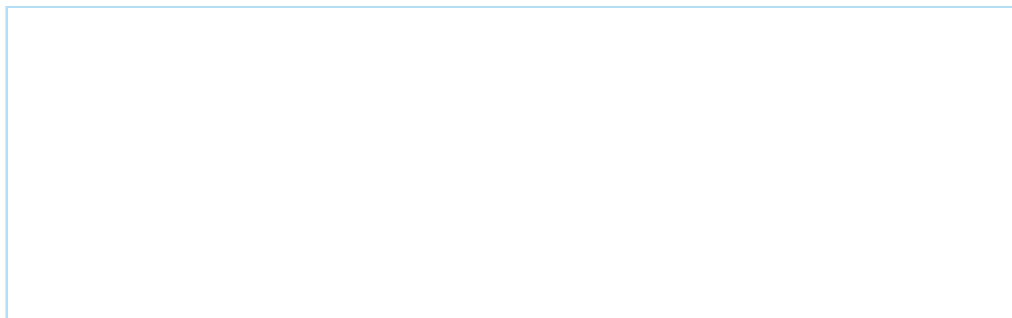
SM-180

- ⇒ Housing: Stainless steel
- ⇒ Processbowl: POM white
- ⇒ Splash-collar: POM white
- ⇒ Lid: PET clear

HP-200

- ⇒ Housing: Anodised aluminium
- ⇒ Hotplate material: Anodised aluminium

DEALER



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