

Lab Resist Developer LRD-250

The instruments of the SAWATEC-LRD-line are easy to operate and to handle. The instruments of this line are available as Cabinet- or Bench-Mounted version. They are designed to clean, to develop and to etch wafers up to 8" or substrates up to 6" x 6" (150 x 150mm). The process-chamber works up to Ø 212mm.

The Developer-Modules of SAWATEC AG will convince you of process performance and repeatability combined with easy handling.

For pilot projects, institutes and R&D.



LRD-250

FEATURES:

- ⇒ Processcontroller with Touch Panel 5,7" monochrom.
- ⇒ Processparameter: speed(rpm), acceleration, time(sec.), spray-time developer(sec.), speed of swivelarm, rins and dry
- ⇒ Start of process by start button or touch panel
- ⇒ Up to 50 recipes (24 segments per recipes)
- ⇒ Closed process chamber, for substrates up to 8" oder 6"x6" (212mm)
- ⇒ Heatable process hood up to 50°C
- ⇒ Electrical driven sprayarm, with dynamic or static function
- ⇒ Developer line, mediataink for one developer included (up to 4 developer lines possible)
- ⇒ Spray nozzle SN-20/08 made of PEEK on the sprayarm
- ⇒ Nozzle for DI-water-rinse on the sprayarm
- ⇒ Nozzle for N2 dry on the sprayarm
- ⇒ Control elements for compr. air and vacuum for dispensing included
- ⇒ Substrate loading: manual
- ⇒ Substrate fixation mechanically
- ⇒ Acoustic alarm when process has finalized

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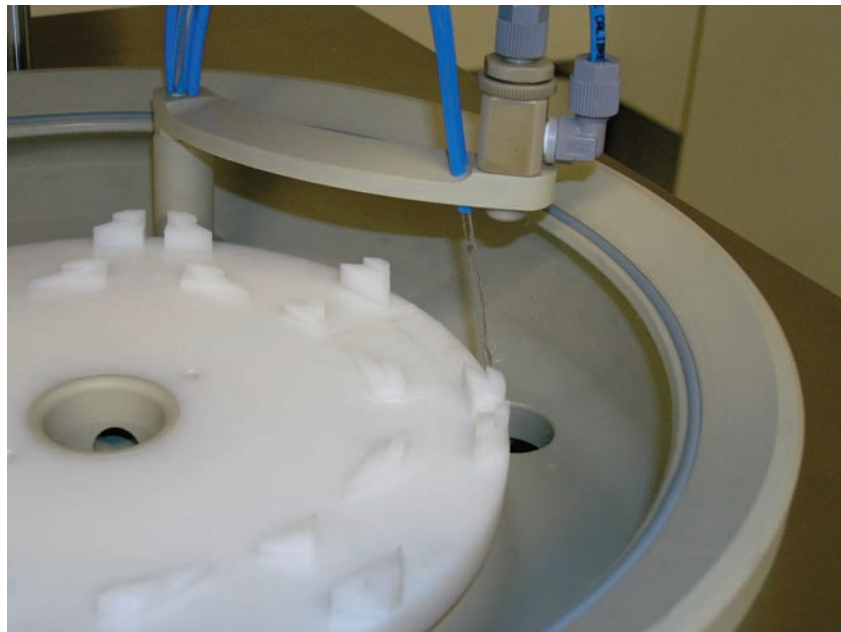
SAWATEC AG
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For further information please contact our sales-department: sales@sawatec.com

Pictures may show standards with options.

OPTIONS

- ⇒ Additional developer line
- ⇒ Developer tank heating system (2ltr.)
- ⇒ Spray nozzle SN-20/0,8 made of PEEK, 0,8mm
- ⇒ Spray nozzle SN-20/0,5 made of PEEK, 0,5mm
- ⇒ Spray nozzle SN-20/0,3 made of PEEK, 0,3mm
- ⇒ Spray nozzle SN-20/0,8-IN made of stainless steel, 0,8mm
- ⇒ Spray nozzle SN-20/0,5-IN made of stainless steel, 0,5mm
- ⇒ Spray nozzle SN-20/0,3-IN made of stainless steel, 0,3mm

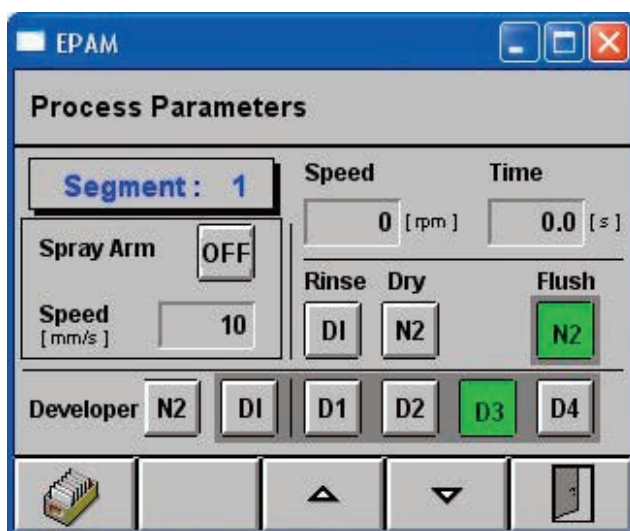


CHUCKS

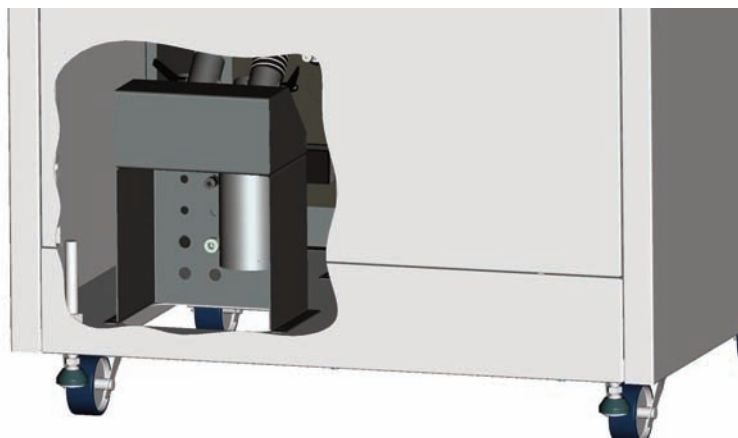
- ⇒ Mechanical Chuck 100mm(4") per 200mm (8") made of POM
- ⇒ Mechanical Chuck 100mm(4") per 200mm (8") made of stainless steel
- ⇒ Mechanical Chuck 125x125mm (5"x5") made of POM
- ⇒ Mechanical Chuck 125x125mm (5"x5") made of stainless steel
- ⇒ Combi Chuck mechanically (big) made of stainless steel
Substrate: 6", 8", 4"x4", 5"x5", 6"x6"
- ⇒ Combi Chuck mechanically (big) made of POM
Substrate: 6", 8", 5"x5", 6"x6"
- ⇒ Combi Chuck mechanically (small) made of stainless steel
Substrate: 2", 3", 4", 3"x3"
- ⇒ Combi Chuck mechanically (small) made of POM
Substrate: 2", 3", 4", 3"x3", 4"x4"
- ⇒ Special-chuck on request

PERFORMANCE

- ↪ max. speed: 3'000rpm +/- 1rpm
- ↪ Processparameter: speed 3'000rpm
acceleration 160rpm/sec²
time 2376sec
spray-time-developer 99sec/segment
speed swivelarm (mm/sec)
rins 99sec/segment
N2-dry 99sec/segment
- ↪ Recipes: up to 50 recipes(depends on the size of each recipe)
- ↪ Segments: up to 24 segments
- ↪ Closed process chamber: Stainless steel oder polypropylene for substrates up to 8" oder 6"x6" (212mm)
- ↪ Heatable process hood up to 50°C



- ↪ 240VAC 50/60Hz 16A
- ↪ Plugconnector for foot switch
- ↪ Compressed air tube Ø6/4mm (6bar)
- ↪ Nitrogen N2 tube Ø6/4mm (4bar)
- ↪ DI-water tube Ø6/4mm (3bar)
- ↪ Exhaust-connector Ø76mm (40-60m3/h)



REQUIRED MEDIA

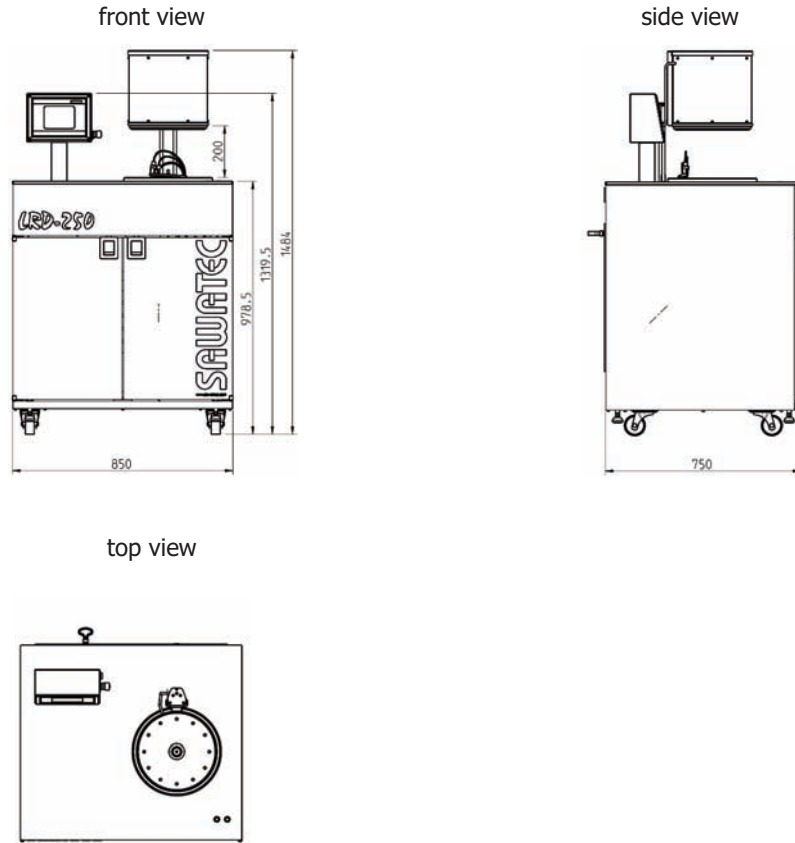
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VIEWS



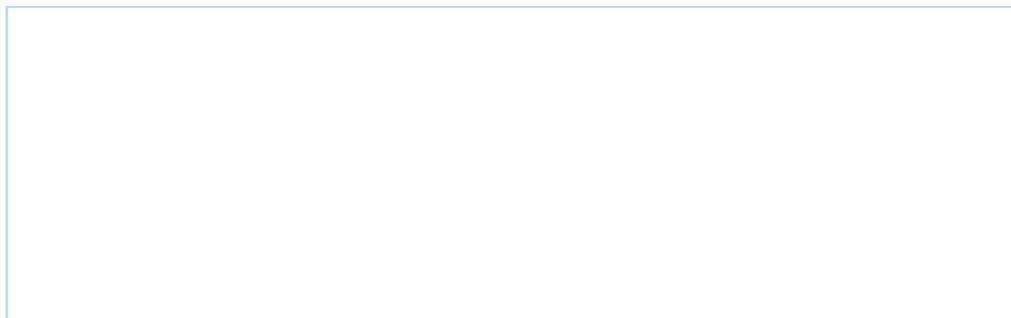
DIMENSIONS

- ⇒ Size: 850x750x1320mm (LxBxH)
- ⇒ Weight: approx. 130kg

DESIGN

- ⇒ Housing: Stainless steel
- ⇒ Processbowl: Stainless steel / Polypropylene
- ⇒ Processhood: Stainless steel / Polypropylene

DEALER



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