

GRINDING & POLISHING ROBOT QPOL 250 BOT



DOSING UNIT

Dosing and bottles depot are easily accessible and clearly arranged in the cabinet. Optional level monitoring and magnetic stirrer.

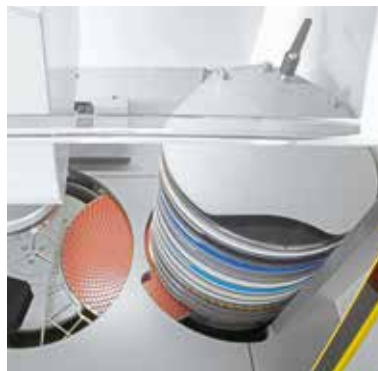


The compact fully automatic grinding and polishing robot Qpol 250 BOT combines the complete grinding and polishing process, including ultrasonic cleaning in one machine. 16x disc changer, 6x dosing unit and an integrable sedimentation tank fits perfectly into the System lab.

Intuitive user interface via touch screen and a user friendly fixation system for central force sample holder enable preparation results in shortest time. All parameters can be adjusted during the automatic process.

SETTLING TANK

The insertible settling tank is invisibly integrated into the cabinet with all its connections (option).



DISC CHANGER

The storage elevator contains up to 16 different grinding discs, such as SiC paper or Galaxy discs. During cleaning the sample, the foil changer replaces the grinding media and fixes it with the Vacu-Jet system automatically.



CLEANING STATION

The cleaning station enables a fully automatic multi-step cleaning of the sample with water, air and alcohol. Cleaning times and steps are completely adjustable as needed. The ultrasonic cleaning station provides intermediate or final cleaning.


BASIC MODULE
GRINDING & POLISHING ROBOT Qpol 250 BOT

- | grinding- and polishing robot with central pressure
- | intuitive operation via QATM touchscreen surface
- | variable speed control of working wheel and polishing head
- | same & counter direction grinding
- | stock removal measurement
- | automatic abrasive changer (16-fold)
- | abrasive carrier fastening by VacuJet
- | working wheel cooling / bowl rinsing with interval switching
- | cleaning station with water, air and ethanol
- | ultrasonic cleaner
- | 6-fold dosing unit
- | level warning dosing system (optional)
- | magnetic stirrer (optional)
- | storage drawer for abrasives (optional)
- | settling tank 45L (optional)
- | aluminium case, powder-coated
- | safety light barrier
- | LED working space lighting
- | preparation for air extraction
- | up to 200 programs with all parameters storable, protected per password
- | USB interface for creating program backup
- | e-lab ready

200-240 V, 50/60 Hz (1Ph/N/PE)

Order No.: M5805050

100-120 V, 50/60 Hz (1Ph/N/PE)

Order No.: M5805051
EQUIPMENT
DOSING
Equipment 1

- | Dosing system basic

Order No.: A5805050
Equipment 2

- | Dosing system standard
- | with level warning

Order No.: A5805051
Equipment 3

- | Dosing system standard plus
- | with level warning and magnetic stirrer

Order No.: A5805052

ACCESSORIES
SETTLING TANK


- | 2-chamber PVC tank 45 liter
- | mobile, with insertion mechanism for System Lab cabinets

Order No.: A5810237

ZUBEHÖR
CONNECTION SET Qpol 250 BOT

| | |
|-----------------|-------------------------------------|
| 1 drain tube | Ø 50 mm; 1.5 m long |
| 1 armored tube | R ½"; 2 m long |
| 1 pressure tube | R ¾" coupling and screw thread; 3 m |

Order No.: Z5805001

BASIC SET Qpol 250 BOT

Order No.: Z5805002

SPECIFICATIONS

| | |
|----------------|---------------------------------|
| Connected load | 3.7 kVA |
| Power supply | 220 – 230 V 50/60 Hz (1PH/N/PE) |

GRINDING STATION

| | |
|---------------------|--------------|
| Working wheel-Ø | 250 mm |
| Working wheel speed | 50 – 600 rpm |

CLEANING STATION

| | |
|----------------|---------------------|
| Cleaning media | air, water, ethanol |
|----------------|---------------------|

ULTRASONIC CLEANING STATION

| | |
|-----------|--------|
| Capacity | 2 ltr. |
| HF-power | 50 W |
| Frequency | 40 kHz |

ABRASIVE CHANGER

| | |
|------------|-----------------------------|
| Storage | 16 different grinding media |
| abrasive-Ø | 250 mm |

GRINDING AND POLISHING HEAD

| | |
|--------------------|--|
| Speed | 30 – 150 rpm, clockwise/anti-clockwise |
| Pressure | 20 – 350 N |
| Controlled removal | automatic; 0.1 mm display accuracy |
| Sample holder | Ø 160 mm |
| WxHxD | ~ 1320 x 1500 x 800 mm |
| Weight | ~ 310 kg |

