



SLIJP- EN POLIJSTROBOT

QPOL 250 BOT

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.

The benefits of automation with the Qpol 250 BOT:

- | **Automated Processes:** Grinding, polishing, and cleaning are fully automated.
- | **Flexible Media Selection:** Choose customized media tailored to your specific needs.
- | **High Reproducibility:** Ensure consistent results through reliable processes.



[Klik om video te bekijken](#)

Product Video

PRODUCTVOORDELEN

- | Slijp- en polijststelsel met centrale druk
- | Aluminium behuizing, gepoedercoat
- | Slijp- en polijststelsel met centrale druk
- | Polijstkop met variabele snelheid
- | Variabele snelheid van werkwiel en polijstkop
- | Verwijderingsmeting
- | Automatische schuurwisselaar
- | Reinigingsstation met water, lucht en ethanol
- | Ultrasoon reiniger
- | 6-voudige doseereenheid (4x diamant suspensie of smeermiddel, 2x fijne polijst suspensie)
- | Opberglade voor schuurmiddelen
- | Bezinkingstank 45L

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OVERTUIGENDE VOORDELEN



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.



SETTLING TANK

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

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



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.



DOSING UNIT

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

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SUPERIORITY IN DETAIL

1. Robust housing

- | Robust powder-coated aluminum housing
- | Seamless integration into the system laboratory

2. Integrated cleaning station

- | Cleaning with ultrasound, water, and ethanol
- | Drying via compressed air
- | No contamination

3. Media changer

- | Up to 16 grinding and polishing media

4. 10" industrial touchscreen

- | Intuitive QATM user interface
- | Up to 200 user-defined preparation methods

5. Intelligent tool head

- | Removal measurement thanks to force sensors
- | Variable speed

6. Sophisticated safety concept

- | Light barrier prevents access to the danger zone



DIT INSTRUMENT IS IDEAAL
VOOR GEOLOGISCHE EN
MINERALOGISCHE
TOEPASSINGEN

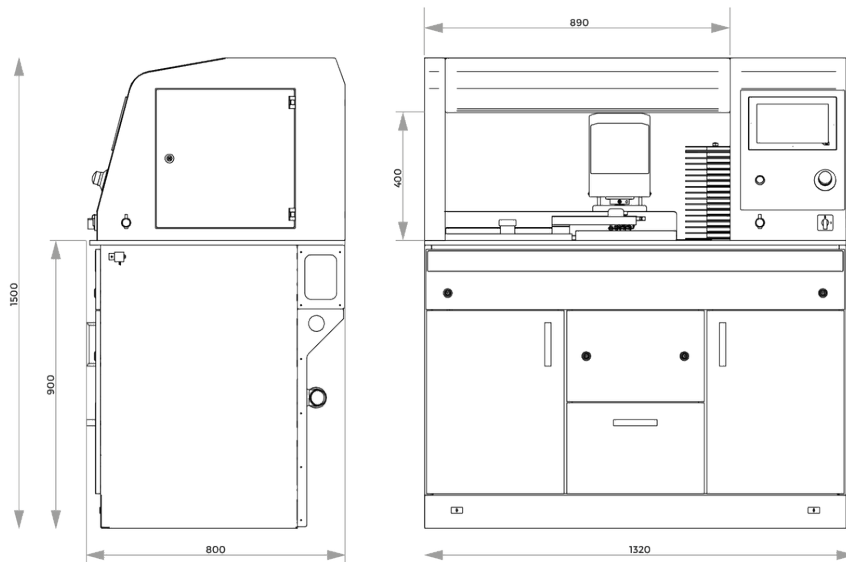
PERFECT GRINDING AND POLISHING – CONSUMABLES BY QATM

Grinding and polishing is more reliable, safe and efficient when processed with the right ingredients: knowledge, care and the right choice of consumables and instruments.



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TECHNISCHE GEGEVENS



Draaischijven	ø 250 mm
Aandrijfkraft	1.1 kW S3/40%
Monsterhouder-ø	160 mm
Aandrijfkraft polijstkop	0,17 kW S1
Snelheid (kop)	30 - 150 tpm
Snelheid (slijper)	50 - 600 tpm
Gecontroleerde verwijderingsmeting (weergave accuraatheid)	0.1 mm
Water connectie	1x vers water R $\frac{1}{2}$ " max. 6 bar
Water uitlaat	1x afvalwater DN50
Perslucht aansluiting	6 bar. koppeling verbinding NG8
B x H x D	1320 x 1500 x 800 mm

www.qatm.com/qpol-250-bot

BESTELGEGEVENS

BASIS UITRUSTING

MACHINE (1 ITEM NOODZAKELIJK)

M5805050  Qpol 250 BOT Basis machine 230V/50Hz

M5805051  Qpol 250 BOT Basis machine 110V 60Hz

DOSEER SYSTEEM (TE BESTELLEN BIJ DE MACHINE)

A5805050 Doseersysteem basic

A5805051 Doseersysteem standard

A5805052 Doseersysteem standard plus

OPTIES (KUNNEN AFZONDERLIJK BESTELD WORDEN)

Z5446030 Sample holder L-160-12-Ø-25 central pressure

Z5446031 Sample holder L-160-8-Ø-30 central pressure

Z5446034 Sample holder L-160-6-Ø-40 central pressure

Z5446035 Sample holder L-160-5-Ø-50 central pressure

Z5446030 Sample holder L-160-12-Ø-1" central pressure

Z5446032 Sample holder L-160-8-Ø-1 1/4" central pressure

Z5446033 Sample holder L-160-6-Ø-1 1/2" central pressure

Z5446035 Sample holder L-160-5-Ø-2" central pressure

Z5446036 Sample holder L-160-3-RE-55x30 central pressure

Z5446037 Sample holder L-160-3-RE-60x40 central pressure

Z5446038 Sample holder L-160-6-Ø-20-40 central pressure

Z5805001 Aansluitingsset

95005867  Dragerplaat

05400114  Nivelleerplaat Ø160mm 2mm

05400246

Nivelleerplaat Ø160mm 4mm

A5810237



Bezinkingstank 45L voor System Lab 2, mobiel, met plaatsingsmechanisme voor kast 900