

GRINDING & POLISHING MACHINE  
**QPOL 300 A1-ECO**



**The Qpol 300 A1-ECO is a single-wheel grinding and polishing machine for the metallographic laboratory, suitable for working wheels Ø 250/300 mm. The machine is conveniently operated by a 4.3" touch screen.**

The new holder for the working wheel (**single-disc design**) enables metallographic sample preparation without carrier disc and without compromising performance. The control software allows to edit and save up to **200 preparation methods**, protected by a **user account management**.

Pressure, speed and direction of rotation (head and working disc) are adjustable. A spin cycle function (**Cleaning Boost**) helps to spin dry the grinding and polishing medium at 750 rpm at the end of the preparation process within 3 seconds.

The robust grinding and polishing machine can be combined with the dosing system Qdoser ECO or Qdoser ONE and offers maximum **flexibility** for sample preparation and **operating convenience**.

## PRODUCT ADVANTAGES

- | Single wheel grinder / polisher for metallographic sample preparation
- | Spin cycle feature (Cleaning Boost)
- | 4.3" Touch-Screen with intuitive QATM user software
- | 200 customized programs storable
- | Easy cleaning/rinsing of bowl by lifting the working wheel (single-disc design)
- | Variable speed of working wheel and polishing head
- | Working wheel and polishing head: clockwise / counter-clockwise rotation
- | Impact-proof plastic bowl
- | Aluminium case, powder coated
- | Economic LED illumination



### GRINDING & POLISHING MACHINE QPOL 300 A1-ECO

## TECHNICAL DATA

<b>Working wheels</b>	Ø 250/300 mm
<b>No. of samples (single pressure)</b>	1-5 samples Ø 40 mm
<b>Single pressing force</b>	variable, 5-80 N
<b>Central pressing force</b>	variable, 20-285 N (expert mode: 20-350 N)
<b>Connection power</b>	2.8 kVA
<b>Drive power (grinder)</b>	0.75 kW (S1)
<b>Drive power (head)</b>	0.18 kW (S1)
<b>Speed (grinder)</b>	30 - 600 min <sup>-1</sup>
<b>Speed (head)</b>	30 - 160 min <sup>-1</sup>
<b>W x H x D</b>	511 x 530-610 x 710 mm
<b>Weight</b>	64 kg
<b>Water connection</b>	1x fresh water connection R½" max. 6 bars
<b>Dosing system (option)</b>	Qdoser ECO

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**DOSING UNIT QDOSER ECO (TOPAS ECO)**

**The fully automatic dosing system QDOSER ECO (TOPAS ECO) speeds up grinding and polishing processes in the metallographic lab and is suitable for use with the Qpol 250/300 A series.** Four 500 ml glass bottles with screw caps hold 3 x suspension and 1 x lubricant or 4 x Dia-Complete and can be filled via a separate lid. They are easily removed for cleaning.

The dosing nozzles are inserted into a holder attached to the head. The dosing interval is controlled via the touch screen and the software of the Qpol 250/300 A devices. The backflushing function keeps the hoses clean.



- | Automatic system for  
3x diamond suspension and 1x lubricant or  
4x Dia-Complete
- | Adjustable interval
- | Reverse rinsing function
- | Controlled by the control software of the Qpol 250/300 A grinders/  
polishers
- | Suitable for all Qpol 250/300 A grinding and polishing machines
- | Suspension containers refillable and removable
- | incl. nozzles (inserted into a holder attached to the head)

[www.qatm.com/qpol-300-A1-eco](http://www.qatm.com/qpol-300-A1-eco)