



GRINDING & POLISHING MACHINE

QPOL 300 M1 / M2

The Qpol 300 M1 and Qpol 300 M2 are manual, single-wheel and double-wheel grinding and polishing machines for working wheels Ø 250/300 mm.

In the ergonomically integrated touch panel, all process parameters as well as convenient features for manual preparation are clearly displayed and can be easily changed at any time. All process parameters can be saved as a preparation method. The adjustable timer and the torque display for visualizing the current grinding pressure enable comfortable and reproducible manual preparation steps. The water valve is automatically switched on/off when the preparation starts or ends.

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 and then turns off the device. The particularly strong, speed-controlled drive makes this model suitable for all preparation steps and materials. In addition, the working disc can be operated in clockwise / counter-clockwise rotation.

The impact-resistant plastic bowl, the powder-coated aluminium housing and the high-quality components inside the device are the basis for smooth running and best preparation results. The robust device can be retrofitted with the Qpol Go automatic grinding and polishing head and combined with the Qdoser GO and Qdoser ONE manual dosing system. It therefore offers a high degree of flexibility and comfort during sample preparation.



PRODUCT ADVANTAGES

- | **Robust and durable:** Powerful drives, impact-resistant plastic trough and powder-coated aluminum housing
- | **Flexibility:** Single-spindle (M1) or twin-spindle (M2) machine variant with adjustable direction of rotation
- | **Simple operation:** Ergonomic touch panel for setting and saving process parameters
- | **Convenient cleaning:** Cleaning boost function and easily accessible sanding trough
- | **Reproducible results:** Adjustable timer and torque display
- | **Automation:** Can be retrofitted with Qpol GO polishing head and Qdoser GO dosing system



GRINDING & POLISHING MACHINE QPOL 300 M1 / M2

CONVINCING BENEFITS



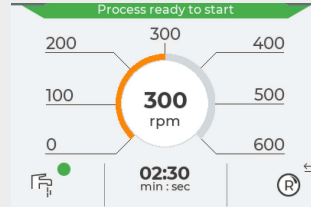
FOR REPRODUCIBLE PREPARATIONS

The time setting and torque display to visualize the current contact pressure are the basis for easy and reproducible manual preparation steps. The water valve is automatically activated at the beginning/end of the preparation process, if required.



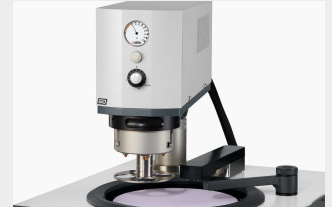
ERGONOMICALLY SHAPED SPLASH GUARD RING

The machine design with its new splash guard ring, clearly laid out working area, water tap and sloping control panel convincingly meets all the requirements for comfortable operation. The new mounting system for the working wheel (single disc principle) saves time when changing the grinding and polishing media and cleaning the machine.



INTUITIVE PARAMETER SETTING

The machine is operated and programmed via the 4.3" touch screen. All process parameters can be saved as a preparation method.



OPTIONAL GRINDING/ POLISHING HEAD QPOL GO

The perfect solution for automated sample preparation. The Qpol 300 M machines can be equipped with the optional grinding/ polishing head Qpol Go.



BOOST FUNCTION

At the end of the preparation procedure, the boost function may be activated to discharge any liquid left on the grinding and polishing medium in 3 seconds at 750 rpm.



OPTIONAL DOSING UNIT QDOSER GO AND QDOSER ONE

The manual grinders and polishers can be combined with the automatic dosing system Qdoser Go or the manual dosing solution Qdoser One, thus offering a high degree of flexibility for sample preparation and ease of use.

TOUCH-PANEL

EVERYTHING UNDER CONTROL

In the ergonomically integrated touch panel, all process parameters as well as convenient features for manual preparation are clearly displayed and can be easily changed at any time.



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.



GRINDING & POLISHING MACHINE QPOL 300 M1 / M2

TECHNICAL DATA



GRINDING & POLISHING MACHINE QPOL 300 M1

Working wheels	ø 250/300 mm
Speed	30 - 600 rpm, continuously adjustable
Connection power	1.8 kVA
Drive power (main drive)	0.75 kW (S1)
W x H x D	511 x 265 x 710 mm
Weight	~ 37 - 45 kg

GRINDING & POLISHING MACHINE QPOL 300 M2

Working wheels	ø 250/300 mm
Speed	30 - 600 rpm, continuously adjustable
Connection power	2.3 kVA
Drive power (main drive)	2x 0.75 kW (S1)
W x H x D	901 x 265 x 710 mm
Weight	~ 57 - 65 kg

Water connection	1x fresh water connection R½" max. 6 bars
Dosing system (option)	Qdoser GO or Qdoser ONE
Polishing head (retrofittable option)	Qpol GO

Water connection	1x fresh water connection R½" max. 6 bars
Dosing system (option)	Qdoser GO or Qdoser ONE
Polishing head (retrofittable option)	Qpol GO

www.qatm.com/qpol-300-m1

ORDER DATA

BASIC EQUIPMENT

QPOL 300 M1

M5631060	Qpol 300 M1 base machine 200-240V/50/60Hz
M5631065	Qpol 300 M1 base machine 100-120V/50/60Hz

QPOL 300 M2

M5631070	Qpol 300 M2 base machine 200-240V 50/60Hz
M5631075	Qpol 300 M2 base machine 100-120V 50/60Hz

WORKING WHEEL

1 item required for Qpol 300 M1

2 items required for Qpol 300 M2

Z5631002	Working wheel Ø 250 mm
Z5631007	Working wheel Ø 300 mm
Z5631017	Working wheel Ø 250 mm PVC
Z5631018	Working wheel Ø 300 mm PVC

OPTIONS (TO BE ORDERED WITH MACHINE)

A5631003	Preparation Qpol GO for Qpol 300 M1
A5631004	Preparation Qpol GO for Qpol 300 M2

OPTIONS (CAN BE ORDERED SEPARATELY)

Z5600008	Connection set manual grinding machines
Z5631004	Clamping ring Ø 250 mm
Z5631009	Clamping ring Ø 300 mm
Z5631022	Qpol 300 Protection ring Ø 250 mm
Z5631023	Qpol 300 Protection ring Ø 300 mm
92005820	Magnetic Foil Ø 250 x 1,0 mm PSA



92005822		Magnetic Foil Ø 300 x 1,0 mm PSA
A5810261		Settling tank 45L for System Lab 2, mobile, with insertion mechanism for cabinet 800
A5810237		Settling tank 45L for System Lab 2, mobile, with insertion mechanism for cabinet 900
A5800496		Settling tank 45L for System Lab, mobile, without folding wheels
A5631000		Qpol GO polishing head
Z1320000		Connection-Set for air pressure

DOSING UNIT QDOSER GO

M6300050		Qdoser GO Base Unit
A6300051		Holder for dosing nozzles for manual polisher
Z5631015		Qdoser ONE
Z5631014		Qdoser ONE holder
Z5631016		Stand for Qdoser ONE

SAMPLE HOLDERS FOR HEAD GO

Z5450001	Sample holder, single pressure Ø 120 mm 4x Ø 25 mm
Z5450002	Sample holder, single pressure Ø 120 mm 4x Ø 25,2 mm
Z5450003	Sample holder, single pressure Ø 120 mm 4x Ø 30 mm
Z5450004	Sample holder, single pressure Ø 120 mm 4x Ø 1 1/4"
Z5450007	Sample holder, single pressure Ø 120 mm 4x Ø 1 1/2"
Z5450008	Sample holder, single pressure Ø 120 mm 4x Ø 40 mm