



ШЛИФОВАЛЬНО-ПОЛИРОВАЛЬНАЯ МАШИНА

QPOL M1 / M2

qatm.com/ru/products/grinding-polishing-etching/manual-grinder-polisher/qpol-m1-m2/

QPOL M1 / M2

ШЛИФОВАЛЬНО-ПОЛИРОВАЛЬНАЯ МАШИНА

Robust in use. Simple to handle

The Qpol M1 and M2 are manual, single wheel or twin wheel grinding and polishing machines for the materialographic laboratory and are suitable for working wheels Ø 200, 250 and 300 mm. The powerful drive with speed control enables the processing of a wide variety of materials. The robust device, equipped with high-quality technology, has a very smooth running and delivers the best preparation results.



QPOL M1 / M2

ПРЕИМУЩЕСТВА ОБОРУДОВАНИЯ

- | **Easy to use:** The ergonomically integrated touch panel clearly displays all process parameters as well as convenient features for manual preparation and can be easily changed at any time.
- | **Reproducible Results:** The adjustable timer and torque display to visualize the current contact pressure enable comfortable and reproducible manual preparation steps.
- | **Automated processes:** The robust device can be combined with the Qdoser GO automatic dosing system. Thus, it allows the two-handed polishing of samples with optimal dosage of diamond suspension.

QPOL M1 / M2

ОСОБЕННОСТИ



DURABLE AND RELIABLE

Machine body made of a sturdy welded aluminum construction with a high-quality, durable powder coating

- | Extremely smooth operation thanks to a low-vibration design
- | Powerful speed-controlled drive with optimal performance, suitable even for larger samples
- | The impact-resistant plastic tub offers impressive durability, corrosion resistance, and easy cleaning



SIMPLE CLEANING SYSTEM

Single-Disc-Design: Easy removal of all components and easy access

- | The splash guard ring and working wheel can be removed with minimal effort, thereby reducing setup and cleaning times
- | The tub insert (plastic inlay) is easy to replace or clean to remove abrasion and residue from the Suspension



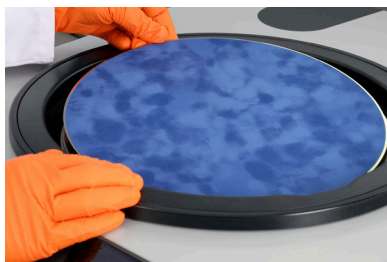
STURDY, PULL-OUT FAUCET

Easy and thorough cleaning of the work area and the grinding tray

- | Cleaning Boost function: removes residual liquid from the grinding/polishing media (dries at 750 rpm in 3 seconds)
- | The water valve is activated automatically at the start and end of the preparation process
- | Sturdy faucet with a flexible hose extension

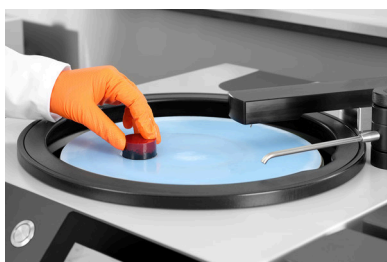
QPOL M1 / M2

ОСОБЕННОСТИ — ПРОДОЛЖЕНИЕ

**ERGONOMICALLY SHAPED SPLASH GUARD**

User-friendly design and the ability to quickly replace consumables

- | The ergonomically shaped splash guard significantly reduces splashing and can be used as a comfortable hand rest during longer procedures
- | Grip recesses allow for the replacement of grinding/ polishing media even when the ring is in place

**WORK SAFETY**

High operational safety thanks to a generously sized bowl area and a loosely mounted splash guard ring

- | The small gap between the splash guard ring and the working wheel ensures safe operation
- | Pressing the emergency stop button immediately stops all moving parts

**OPTION: QDOSER DOSING SYSTEMS**

Can be optionally equipped with semi-automatic or software-controlled dosing systems for high process flexibility

- | Qdoser GO: Fully automatic, software-controlled dispensing system with 4 easily removable and refillable dispensing bottles for reproducible results (magnetic stirring function available as an option)
- | Qdoser ONE: Dropper bottle for easy and continuous dosing

EVERYTHING AT A GLANCE

INTUITIVE AND EASY TO USE

Ergonomically integrated 7-inch industrial touchscreen with QATM user software

- | Intuitive menu structure and easy configuration
- | Progress indicator for the current procedure via a status bar and an audible signal at the end of the grinding/polishing process
- | Built-in timer and direct display of torque/contact pressure for high reproducibility



QPOL M1 / M2

SUPERIORITY IN DETAIL

1 | РАБОЧИЕ ДИСКИ: Ø 200/250/300 ММ

Single-disc design for easy disc replacement

2 | OPTIONAL SECOND CUTTING DISC

Less setup time between steps

3 | SIMPLE ONE-BUTTON OPERATION

Durable stainless steel start button for directly starting/stopping the machine

4 | CLEAR PARAMETER SETTINGS

Tried-and-true methods with a new design"

5 | ERGONOMIC SPLASH GUARD RING

Prevents splashing and provides an ergonomic hand rest

6 | AUTOMATIC WATER VALVE

Water can be automatically activated at the start and end of the process

7 | OPTIONAL DOSING SYSTEM

Allows for two-handed polishing and ensures optimal application



HIGH PROCESS FLEXIBILITY

QDOSER DOSING SYSTEMS

The fully automatic, software-controlled Qdoser dosing system speeds up the grinding and polishing processes in the materialographic laboratory and is compatible with the QPol M, GO, and PLUS series, as well as the QPol PRO. Four screw-top 500-ml glass bottles can be filled with QPREP diamond suspensions, QPREP lubricants (diamond lubricants), and/or QPREP fine-polishing suspensions through a separate opening in the lid. The suspension storage bottles are easily removable, making them simple to clean. A backflush function keeps the connecting hoses clean.



OPTIMIZED FILLING AND DOSING

The suspension storage bottles can be removed at any time and refilled in a way that is optimized for application, e.g., with:

- Qdoser GO: 4x Dia-COMplete diamond suspensions



OPTION: MAGNETIC STIRRER

A magnetic stirrer is available as an option for stirring the polishing agents to achieve excellent preparation results

- The integrated magnetic stirrer prevents the suspension from settling
- Optimal distribution of polishing particles through automatic stirring of the suspensions



DOSAGE

High flexibility and ease of use thanks to simple polishing agent dispensing

- Fully automatic, software-controlled dosing via the industrial touchscreen on Qpol machines
- Dosing interval can be adjusted as needed



QDOSER ONE

Dropper bottle for easy and continuous dosing

- Easy to use – Standard QATM suspension and lubricant bottles can be quickly and easily screwed onto the dispenser
- Continuously variable dosing rate – The dosing rate is precisely controlled using an adjustment screw
- Can be used with a stand or mounted on polishing head

QPOL M1 / M2

CONSUMABLES BY QATM

Perfect grinding and polishing – Consumables by QATM

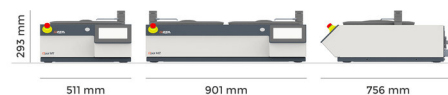
Grinding and polishing is more reliable, safe and efficient when processed with the right ingredients: knowledge, care and the right choice of consumables and instruments.

К КАТАЛОГУ «GRINDING» →

qatm.com/ru/products/consumables/grinding/

К КАТАЛОГУ «POLISHING» →

qatm.com/ru/products/consumables/polishing/



QPOL M1

ХАРАКТЕРИСТИКИ

Однодисковый станок

Рабочие диски	Ø 200/250/300 мм
Внутренний диаметр ванны	Ø 350 мм
Держатель образцов	-
Количество образцов	-
Контактная сила	вручную
Скорость (станок Шлифования)	30 - 600 об/мин, непрерывно изменяемая
Скорость вращения (головка Шлифования)	-
Подключение воды	1x Пресная вода G ½" макс. 6 бар
Устройство дозирования (опция)	Qdoser GO, Qdoser ONE
Температура окружающей среды	10 - 40 °C
Мощность привода (шлифовальный круг)	Рабочее колесо: 0.75 кВт (S1) / 1.1 кВт (S3)
Подключенная нагрузка	1,4 кВА
Тип электросети	220 - 240 В, 50/60 Гц (1 Ph/N/PE) 100 - 120 В, 50/60 Гц (1 Ph/N/PE)
Внешние интерфейсы	USB
В x Н x Т	511 x 293 x 756 мм
Вес (в зависимости от комплектации)	~ 40 кг

QPOL M2

ХАРАКТЕРИСТИКИ

Двухдисковый станок	
Рабочие диски	Ø 200/250/300 мм
Внутренний диаметр ванны	Ø 350 мм
Держатель образцов	-
Количество образцов	-
Контактная сила	вручную
Скорость (станок Шлифования)	30 - 600 об/мин, непрерывно изменяемая
Скорость вращения (головка Шлифования)	-
Подключение воды	1x Пресная вода G ½" макс. 6 бар
Устройство дозирования (опция)	Qdoser GO, Qdoser ONE
Температура окружающей среды	10 - 40 °C
Мощность привода (шлифовальный круг)	Рабочее колесо: 0.75 кВт (S1) / 1.1 кВт (S3)
Подключенная нагрузка	1,4 кВА
Тип электросети	220 - 240 В, 50/60 Гц (1 Ph/N/PE) 100 - 120 В, 50/60 Гц (1 Ph/N/PE)
Внешние интерфейсы	USB
В x Н x Т	901 x 293 x 749 мм
Вес (в зависимости от комплектации)	~ 60 кг

QPOL M1 / M2

СКАЧАТЬ

ПАСПОРТ ИЗДЕЛИЯ QPOL M1 →
qatm.com/files/476037/pasport-izdelia-qppl-m-1.pdf

PRODUCT OVERVIEW (РУССКИЙ) →
qatm.com/files/15726/product-overview.pdf

QPOL M / GO / PLUS / VIBRO →
qatm.com/files/474295/qppl-m-go-plus-vibro.pdf

CONSUMABLES →
qatm.com/files/441078/consumables.pdf

QPOL M1 / M2

СВЯЖИТЕСЬ С НАМИ →

qatm.com/ru/contact/contact-form/?prefilltext=contact_form.request&product=A01C17B_A01C18B

ЗАПРОС ПРЕДЛОЖЕНИЯ →

qatm.com/ru/products/grinding-polishing-etching/automatic-grinder-polisher/qpol-plus-1-plus-2/order-data/

ИНФОРМАЦИЯ ОБ ИЗДЕЛИИ →

qatm.com/ru/products/grinding-polishing-etching/manual-grinder-polisher/qpol-m1-m2/



QATM
a **VERDER** company

qatm.com/ru/products/grinding-polishing-etching/manual-grinder-polisher/qpol-m1-m2/

© QATM – qatm.com / Content may be subject to modifications or corrections