

BUEHLER®
ECOMET® 5
 TWO SPEED
 GRINDER/POLISHER

The ECOMET® 5 Two Speed Grinder/Polisher is designed to meet the needs of the micro-structural analyst who requires a combination of versatility to handle manual or automatic sample preparation applications as well as the convenience and economy of a dual wheel two speed machine.

The ECOMET® 5 features an all new table top design with two integral work stations, each capable of operating at either 120 or 240 rpm. Each unit is equipped with two 8" (20.3cm) low profile, non-conductive, chemically inert PVC wheels with new universal BUEHLER mounts, for high performance, ease of storage and interchangeability. This low maintenance unit is designed for ease of use and service.

Each ECOMET® 5 unit incorporates the following advanced engineering features:

- Space-age corrosion and impact resistant reaction-injection-molded (RIM) polyurethane cabinet

- Molded-in wash bowls and drains to eliminate water leakage; bowls are pitched to promote drainage

- Dual bowl flush jets to prevent build-up of grinding/polishing residue

- Reliable high-tech electronic circuitry operated through touch-pad switches to control motor operation, speed and water supply

- New drive system which maximizes wheel support and eliminates wheel instability

- High torque, ¾ horsepower (555W) AC motor with heavy duty gearbox for long-life, trouble-free operation

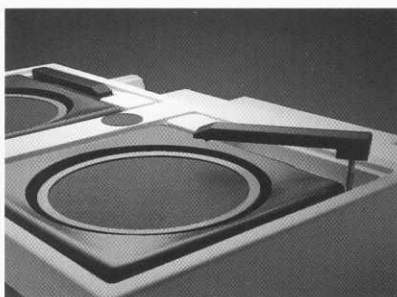
- Built-in center mount that facilitates use of AUTOMET® 2 Power Head with either wheel

- Ability to interface with METLAP™ 1 Programmable Fluid Dispensing System

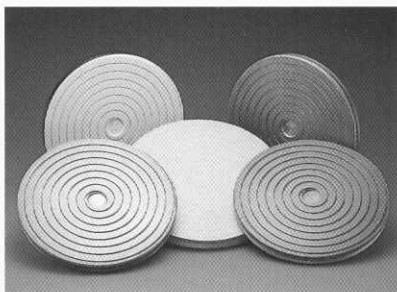
- Accepts entire spectrum of new BUEHLER® Polishing Wheels and METLAP™ Platens

If your sample preparation needs require two grinding/polishing stations, but convenience and economy are major issues, the ECOMET® 5 from BUEHLER is the right choice for your laboratory.

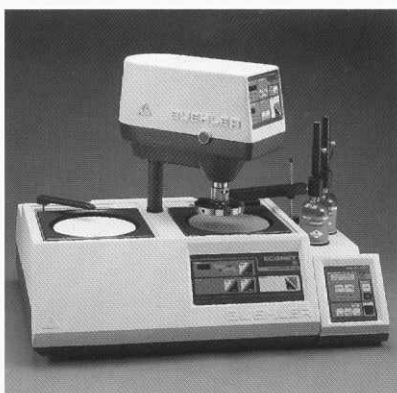
BUEHLER® ECOMET® 5



Pop-up swing faucets place water where you need it and store away when not in use.



The full range of METLAP™ Platens can be utilized with the ECOMET® 5.



The ECOMET® 5 can be interfaced with the AUTOMET® 2 Power Head and METLAP® 1 Programmable Fluid Dispensing System to create a versatile, medium to high volume sample preparation setup.

Specifications

No. 49-1785-160 ECOMET® 5 Two Speed Grinder/Polisher, 8" (20.3cm), table-top corrosion and impact resistant RIM cabinet with 2 molded-in bowls and drains, dual bowl flush jets and pop-up swing faucets with electrically operated flow control valves, dual speed 120/240 rpm with digital LED speed indicator (both wheels turn at same speed), touch-pad controls including illuminated Power on/off switch, Motor run/stop switch, High/Low speed switch and Water on/off switches, covers and removable splash rings, ¾ HP (555W) dual speed gear driven AC motor, cord and plug. Complete with two No. 40-4060 non-conductive PVC wheels with cloth clamps and paper holding bands, samples of CARBIMET® Paper and polishing cloths. Operating instructions. For 115V/60Hz/1 phase operation.

No. 49-1785-250 ECOMET® 5 Two Speed Grinder/Polisher, same as No. 49-1785-160, but for operation on 220-240V/50Hz/1 phase; speeds of 100/200 rpm.

Dimensions: 26⁵/₈" W × 26⁵/₈" D × 9" H
(67.8cm × 67.8cm × 22.9cm)

Shipping Weight: 115 lbs. (52.3 kg)

Accessories

No. 30-2008 Paper Holding Band, for 8" (20.3cm) dia. wheels.

No. 40-2058 Cloth Clamp, for 8" (20.3cm) dia. wheels.

No. 40-4060 PVC Wheel, 8" (20.3cm) dia., extra.

No. 40-4061 Aluminum Wheel, 8" (20.3cm) dia.

No. 40-4062 Bronze Wheel, 8" (20.3cm) dia.

AUTOMET® 2 Power Head

Turn your ECOMET® 5 into a high volume sample preparation system with the addition of an AUTOMET® 2 Power Head which permits automatic preparation of from 3 to 6 specimens simultaneously. A range of specimen holders is available to accommodate a variety of specimen sizes and shapes.

METLAP™ 1 Programmable Fluid Dispensing System

If your sample preparation application requires automatic dispensing of abrasive slurries and lubricant/extenders, the METLAP™ 1 Programmable Fluid Dispensing System is the accessory for you. Its microprocessor control lets you dispense two fluids in timed sequence or up to 8 fluids with the addition of METLAP™ 1 Expansion Modules.

METLAP™ Platens

To prepare your samples using the revolutionary new BUEHLER DIALOG™ concept, specify METLAP™ Platens. With METLAP™ Platens you will get top quality results with virtually all engineering materials in less time than it takes to prepare them by conventional methods.

For a complete listing of BUEHLER® Consumable Supplies for use with the ECOMET® 5 Grinder/Polisher, refer to BUEHLER ANALYST®, Section 7.



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BUEHLER ANALYST®
SECTION

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