

AbrasiMet™ 250

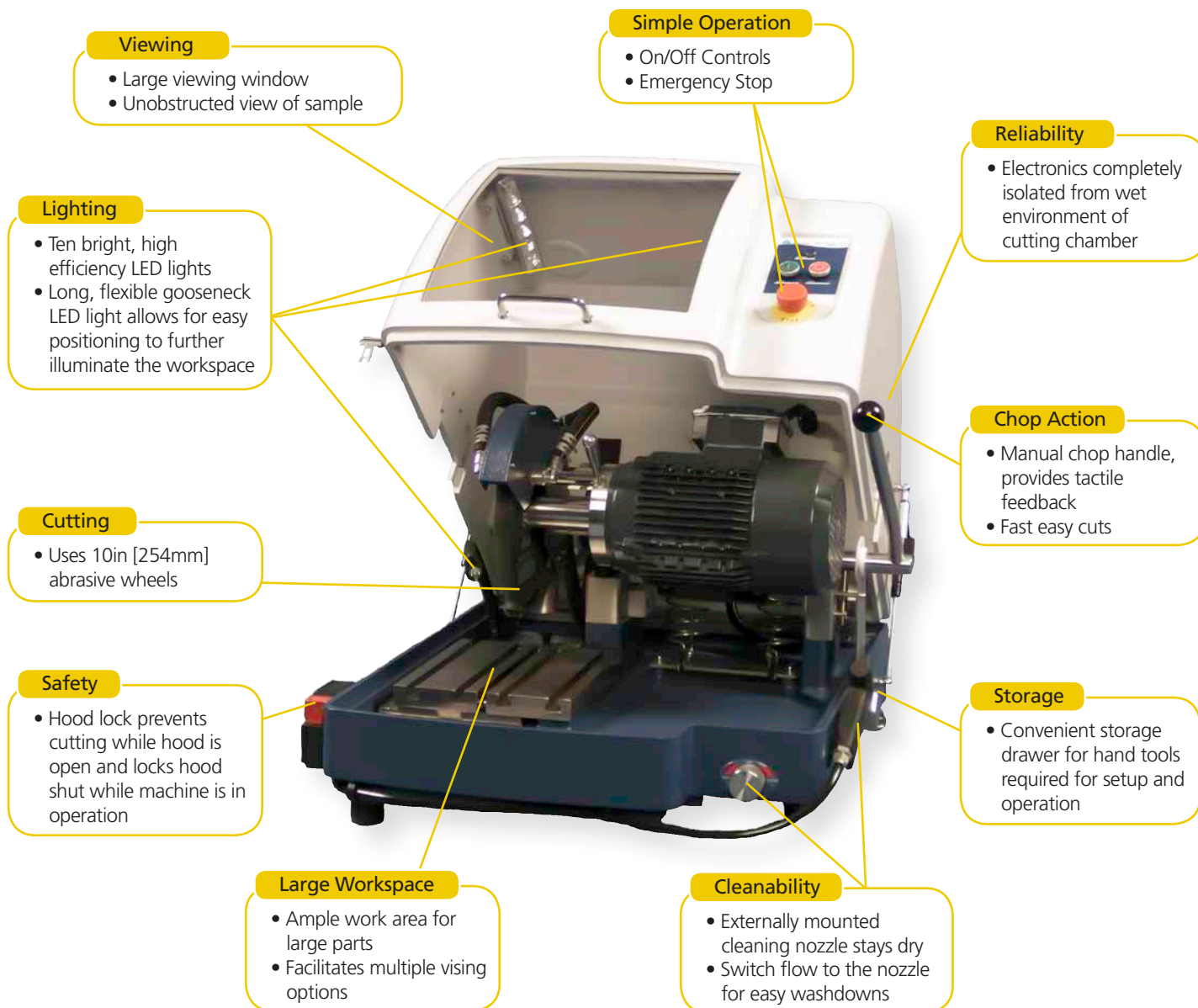
Manual Abrasive Cutter



BUEHLER

Solutions for Materials Preparation, Testing and Analysis

AbrasiMet™ 250 - Bench-Top Abrasive Cutter



AbrasiMet 250

The AbrasiMet 250 Manual Abrasive Cutter features manual cutting action with best in class lighting, visibility and cut capacity. With its large workspace and versatile viewing options, this cutter enables simple, quick and easy positioning of samples for cutting and sectioning. When combined with the PetroCut™ Vise Table, the AbrasiMet 250 becomes a highly versatile Petrographic or Geological cutting tool.

Features and Benefits

- Largest cutting window for this class of cutting tool
- Bright, energy-efficient LED lighting for highly visible, clear and unobstructed viewing of samples, cut location, viewing and cut progress
- Easy-to-use with minimal operator training
- Open workspace allowing quick and easy placement of samples
- Spray Hose for efficient cleaning and washdown of the cutting chamber
- Convenient, removable basket helps catch small parts when cutting



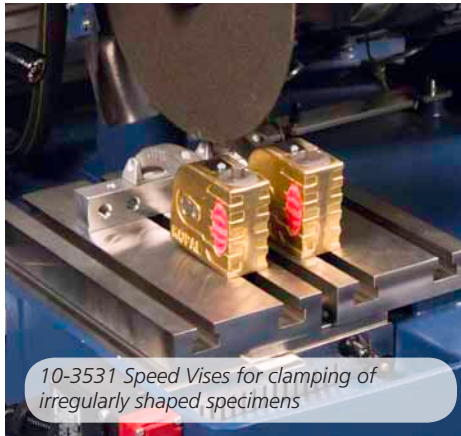
Left (10-2170) and Right (10-2171) Sliding Vises, for general purpose clamping of specimens.



Left (95-C1821) and Right (95-C1822) MetKlamp™ Vises, for clamping of specimens such as rods, bars, tubes, etc.



Helpful and convenient, removable basket helps catch small parts when cutting.

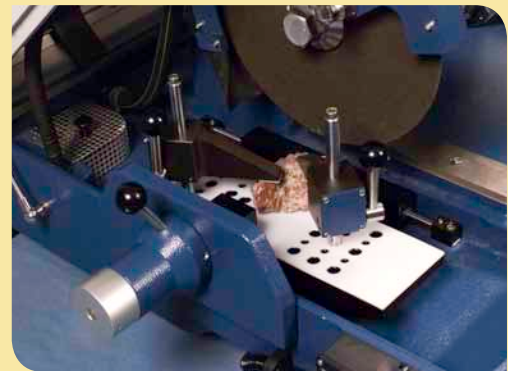
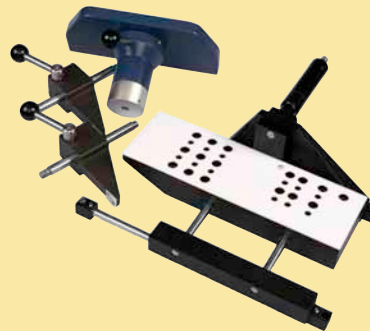


10-3531 Speed Vises for clamping of irregularly shaped specimens



Convenient tool storage drawer on the side of the AbrasiMet 250 houses all hand-tools required for setup and operation.

PetroCut™ Vise Table & Rock Clamp Kit:



10-10106-000 PetroCut Vise Table and Rock Clamp Kit (includes PetroCut Vise Table with X-Y positioning, and two Rock Clamps, suitable for incorporation in AbrasiMet™ 250). The PetroCut Vise Table may move 2in [51mm] side-to-side (X-Direction) and 3.125in [79mm] front-to-back (Y-Direction).

10-10106-001 Rock Clamp Kit (includes two replacement Rock Clamps and posts suitable for mounting samples on PetroCut Vise Table)

Adding a PetroCut Vise Table and Rock Clamp Kit to an AbrasiMet 250 converts the general purpose cutter into a highly competent Petrographic or Geological cutting tool.

Specifications

Motor Power & Consumption	4Hp [3kW]
Current	13amps @ 230VAC; 6.5amps @ 460VAC; 7.5amps @ 400VAC
Wheel Speed	2800rpm @ 50Hz; 3400rpm @ 60Hz
Lighting	10 bright, high efficiency LED lights. One 18in [457mm] flexible gooseneck LED light
Sound Rating	≤76 db under no load at a distance of 39in [1m]
Coolant Tank Capacity	7gal [27ℓ]
Abrasive Wheel Diameter & Arbor	10in [254mm] diameter; 1.25in [32mm] Arbor
Maximum Cutting Capacity	3.75in [95mm]
Side Port Dimensions	3 x 3in [76 x 76mm]
Vise Table Dimensions	9.5 W x 9.875in D [240 x 250mm]; 12mm T-slots
Compliance	CE

Ordering Information

The AbrasiMet™ 250 includes an assortment of Abrasive Cutting Wheels, Cool 2 Coolant, recirculating intake hose, drain elbows, drain fitting, hand-tools required for setup and operation, power cord and instruction manual.



Approx. Weight: 300 lbs [136kg]

◀ AbrasiMet 250 Abrasive Cutter

- Manual operation, 4Hp
- 10in [254mm] wheel capacity
- 12mm T-Slot Stainless Steel bed
- Includes mechanical brake
- Combine with PetroCut™ Vise Table & Rock Clamps

(Series 10-2165 Recirculating System and vising (pg. 6) not included)

Available in the following voltage/frequency:

- 10-10106-260 [200-240VAC, 60Hz]
- 10-10106-460 [380-460VAC, 60Hz]
- 10-10106-250 [200-240VAC, 50Hz]
- 10-10106-400 [380-400VAC, 50Hz]

Accessories for AbrasiMet 250

- 16-1497 Cart with wheels, for recirculating tank
- 10-3531 Speed Vise Kit
- 10-3532 Riser Block for Speed Vise
- 95-C1702 Fastener Vise, for use in sliding vise
- 10-2170 Left Sliding Vise
- 10-2171 Right Sliding Vise
- 95-C1821 Left MetKlamp™ Vise
- 95-C1822 Right MetKlamp Vise
- 80-10001 Heavy Duty Table with Cabinet
- 10-2165-260 Recirculating Tank, 7gal [27ℓ], [200-240VAC, 60Hz]
- 10-2165-460 Recirculating Tank, 7gal [27ℓ], [380-460VAC, 60Hz]

- 10-2165-250 Recirculating Tank, 7gal [27ℓ], [200-240VAC, 50Hz]
- 10-2165-400 Recirculating Tank, 7gal [27ℓ], [380-400VAC, 50Hz]

PetroCut Vise Table & Rock Clamps

10-10106-000 PetroCut Vise Table and Rock Clamp Kit
(includes PetroCut Vise Table, and two Rock Clamps, suitable for incorporation in AbrasiMet 250)

10-10106-001 Rock Clamp Kit
(includes two replacement Rock Clamps and posts suitable for mounting samples on PetroCut Vise Table)

Consumables for AbrasiMet 250

MetAbrase™ Abrasive Wheels 10in [254mm], 10 pack

Recommended Use	Catalog Number
SuperAlloy	12-4205-010
HRC 60+	10-4210-010
HRC 50-60	10-4212-010
HRC 35-50	10-4216-010
HRC 15-35	10-4220-010
Delicate Cutting	10-4227-010
Non-ferrous, hard materials	10-4245-010
Non-ferrous, soft materials	10-4250-010

Cool 2 Cutting Fluid

Size	Catalog Number
33.8oz [1ℓ]	41-10102
1gal [3.8ℓ]	41-10103
5gal [191ℓ]	41-10104

For a complete listing of consumables, please refer to our Buehler Buyer's Guide or contact your local Buehler Sales Engineer. Buehler continuously makes product improvements; therefore technical specifications are subject to change without notice.

Sectioning
AbrasiMet • AbrasiMatic • IsoMet

Mounting
SimpliMet

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EcoMet • AutoMet • MetaServ

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Hardness Testing
Wilson® Hardness



BUEHLER Worldwide Headquarters
41 Waukegan Road
Lake Bluff, Illinois 60044-1699 USA
P: (847) 295-6500 • F: (847) 295-7979
Sales: 1-800-BUEHLER (1-800-283-4537)
www.buehler.com
Email: info@buehler.com



BUEHLER GmbH - European and MESA Headquarters
www.buehler-met.de
Email: info@buehler-met.de

BUEHLER France
www.buehler.fr
Email: info@buehler.fr

BUEHLER United Kingdom
www.buehler.co.uk
Email: sales@buehler.co.uk

BUEHLER Canada
www.buehler.ca
Email: info@buehler.ca

BUEHLER Asia-Pacific
www.buehler-asia.com
Email: china@buehler.com.hk