

AbrasiMet® 250

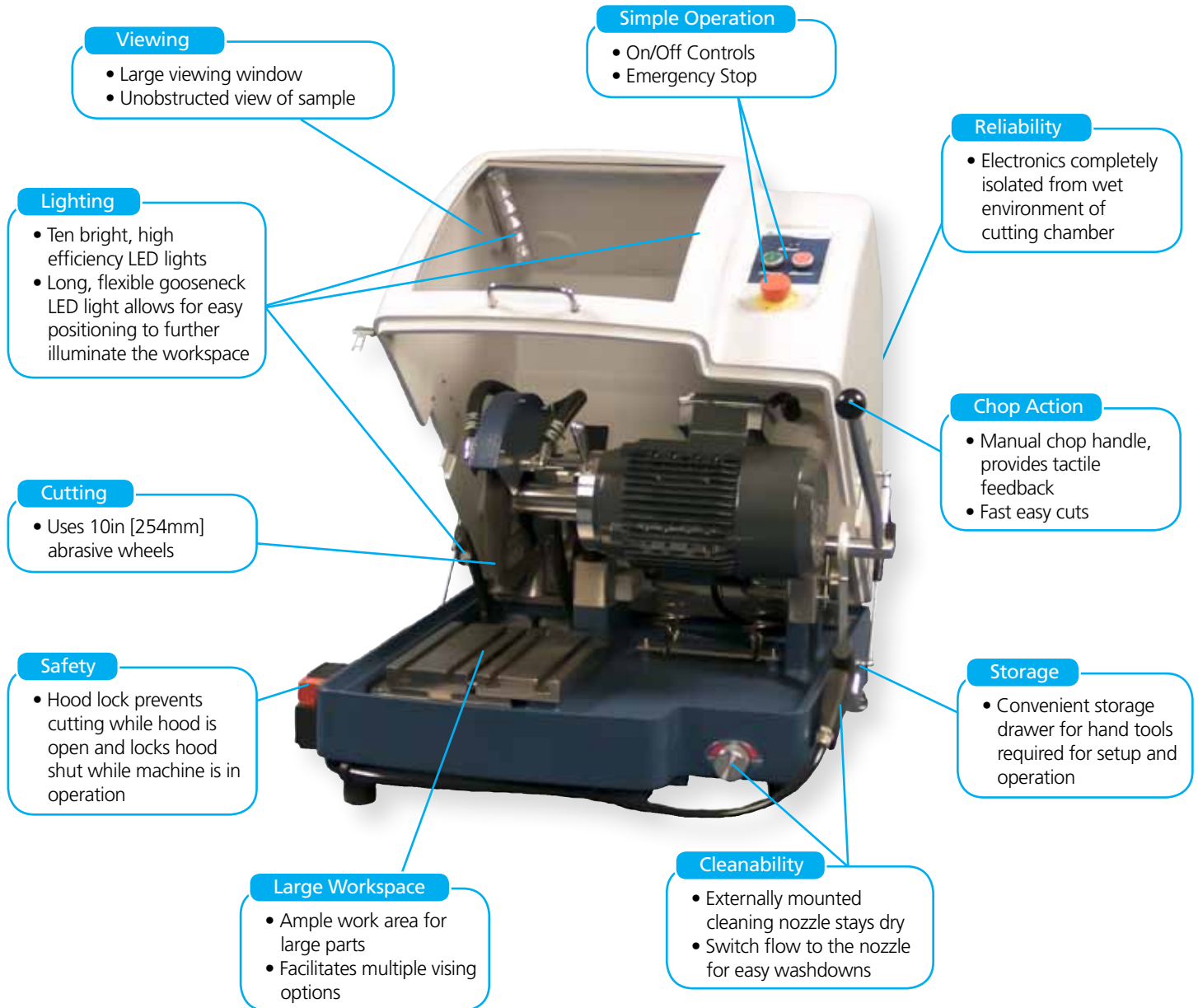
Manual Abrasive Cutter



BUEHLER

Excellent Results. Easily Repeatable.™

AbrasiMet® 250 - Multipurpose & Versatile 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



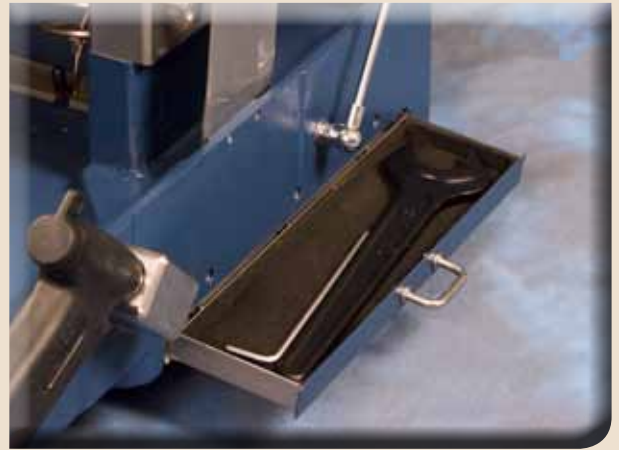
Left (10-2170) and Right (10-2171) Sliding Vises, for general purpose clamping of specimens.



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

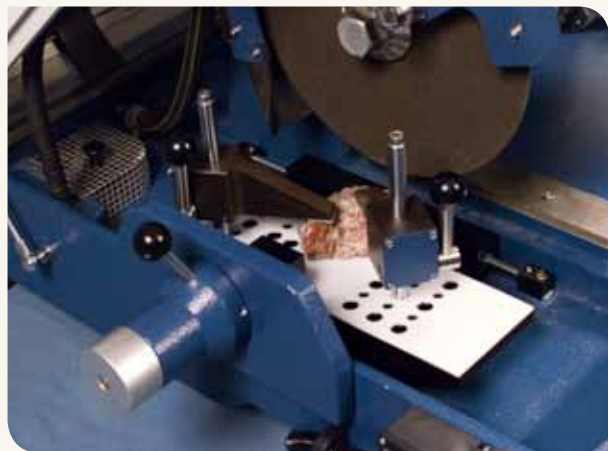


Helpful and convenient, removable basket helps catch small parts when cutting.



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 2 inches [51 mm] side-to-side (X-Direction) and 3 1/8 inches [79 mm] 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.

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.

- 10-10106-260 AbrasiMet® 250 [200-240VAC, 60Hz, 3 phase]
10-10106-460 AbrasiMet® 250 [380-460VAC, 60Hz, 3 phase]
10-10106-250 AbrasiMet® 250 [200-240VAC, 50Hz, 3 phase]
10-10106-400 AbrasiMet® 250 [380-400VAC, 50Hz, 3 phase]

Accessories:

- 10-2165-260 or 10-2165-460 Recirculating Tank, 7gal. [27ℓ], 60 Hz
10-2165-250 or 10-2165-400 Recirculating Tank, 7gal. [27ℓ], 50 Hz
16-1497 Cart with wheels, *for recirculating tank*
95-C1823 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

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:

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

Specifications:

Voltage:

200-240VAC, 50Hz, 3 phase
380-400VAC, 50Hz, 3 phase
200-240VAC, 60Hz, 3 phase
380-460VAC, 60Hz, 3 phase

Motor Power & Consumption:

4Hp [3kW]

Current:

13amps @ 230VAC
6.5amps @ 460VAC
7.5amps @ 400VAC

Wheel speed:

50Hz, 2800rpm
60Hz, 3400rpm

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 Size:

Diameter & Arbor:
10in [254mm] diameter
1.25in [32mm] Arbor
Maximum Cutting Capacity:
3.75in [95mm]

Dimensions:

Cutter:

28 W x 29 D x 22.5in H
[711 x 737 x 572mm]

Side Port:

3 x 3in [76 x 76mm]

Vise Table:

9.5 W x 9.875in D [240 x 250mm]
12mm T-slots

Shipping Weight:

300 lbs [136kg]

Approvals:

CE

For a complete listing of equipment and consumables, please refer to our Buyer's Guide. Buehler continuously makes product improvements; therefore technical specifications are subject to change without notice.



BUEHLER



BUEHLER®, a division of Illinois Tool Works Inc.
– **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

In der Steele 2 • 40599 Düsseldorf
P: (49) 211 974100 • F: (49) 211 9741079
www.buehler-met.de
Email: info@buehler-met.de

BUEHLER FRANCE

P: 0800 89 73 71
F: 0800 88 05 27
www.buehler.fr
Email: info@buehler.fr

BUEHLER UNITED KINGDOM

P: 0800 707 6273
F: 0800 707 6274
www.buehler.co.uk
Email: sales@buehler.co.uk

BUEHLER CANADA

10 Carlow Court, Unit #2
Whitby, Ontario L1N 9T7
P: (905) 430-4684
F: (905) 430-4647
Sales Telephone: 1-800-268-3593
Email: info@buehler.ca

BUEHLER, ASIA-PACIFIC

5/F Vogue Centre
696 Castle Peak Road
Lai Chi Kok, Kowloon
Hong Kong, SAR, China
P: (852) 2307 0909
F: (852) 2307 0233