

# BUEHLER® Delta® PetroCut™ GEOLOGICAL CUTTER

- Affordable, Rugged Manual Cutter Designed for Rocks, Minerals, Nonmetallic and Geological Specimens
- Features Universal Clamping with a Rock Clamp Assembly
- Produces Serial Cuts Quickly and Consistently
- X-Y Table Bed
- Specimen Sizes Up To 3.75" (95mm) in Diameter
- Uses 10" (254mm) Diamond Blade
- Compact Tabletop Design
- Heavy-Duty Aluminum Base
- Large Viewing Window and Lighted Cutting Chamber
- Clean-Out Hose



**The Delta® PetroCut™ Geological Cutter** is a manual, 4Hp (3.0kW) cutter using a 10" (254mm) Continuous Rim Diamond Blade or Rimlock\* Diamond Blade for sectioning of rock, minerals, ceramics, coal, glass, concrete, refractory and many geological samples up to 3.75" (95mm) in size. Features include a Rock Clamp Assembly with an X-Y table bed and cross-feed table for serial cutting. Clamps can be positioned at various points on the table bed. Other specimen vises are available for holding irregular shapes.

The Delta PetroCut Geological Cutter includes a clean-out hose for quick debris removal. Two jets optimize presentation of the coolant to the wheel and specimen. Safety is maintained with an emergency stop, hood lock and a mechanical brake which is engaged when the power is turned off. The heavy duty aluminum cast base provides stability and corrosion resistance. Operation instructions are included.

- 10-2156-260 Delta® PetroCut™**, 230 VAC, 60Hz, 3 Phase
- 10-2156-460 Delta® PetroCut™**, 460 VAC, 60Hz, 3 Phase
- 10-2156-250 Delta® PetroCut™**, 220 VAC, 50Hz, 3 Phase
- 10-2156-400 Delta® PetroCut™**, 380 VAC, 50Hz, 3 Phase

### Technical Data

**Operation:** Manual Chop Cutting

**Motor Power:** 4.0Hp (3.0kW)

**Blade Size and Speed:** 10" (254mm) Diameter Blades, 3400 rpm (60Hz), 2830 rpm (50Hz)

**Cutting Envelope:** Sample Sizes up to 3.75" (95mm)

**Controls:** Push Button Start and Stop/Emergency Stop; Coolant automatically activates when cutter is started

**Other Features:** Rock Clamp Assembly, Clean-out Hose, Heavy Duty Interior Lights (14W), Large Viewing Window

**Shipping Weight:** 200 lbs. (91kg)

**Dimensions:** 24" W x 17" H x 26.5" D (600mm x 425mm x 665mm)

### Accessories

#### Blade Options\*\*

**11-4710 Continuous Rim Diamond Blade** (for geological materials - yields best quality cuts) 10" x 0.060" x 1¼" (254mm x 1.5mm x 32mm)

**11-4120 Rimlock\* Diamond Blade** (for geological materials - yields good quality cuts) 10" x 0.040" x 1¼" (254mm x 1.016mm x 32mm)

#### Optional Accessories

**10-2165-260 Recirculating System**, 230 VAC, 60Hz, 3 Phase

**10-2165-460 Recirculating System**, 460 VAC, 60Hz, 3 Phase

**10-2165-250 Recirculating System**, 220 VAC, 50Hz, 3 Phase

**10-2165-400 Recirculating System**, 380 VAC, 50Hz, 3 Phase

**16-1497 Recirculating System Cart**, with Wheels

#### Vise Accessories

**10-3525 Irregular Specimen Speed Vise Kit (Large)**

**10-3531 Irregular Specimen Speed Vise Kit (Small)**

**10-3533 Rock Clamp Assembly**



Delta® PetroCut™ Cutter showing Rock Clamp Assembly and Clean-out Hose.



Rock Clamp Assembly with specimen.



Optional Speed Vise Accessory Kit allows increased flexibility when clamping irregular shapes.

\*Rimlock is a registered trademark of Felker Operations \*\*Blade not included with Delta® PetroCut™

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

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