



DELTA™ ABRASIMET® Manual Chop Abrasive Cutter

- Expands the DELTA™ family of abrasive cutters
- Affordable, rugged manual cutter produces excellent cuts quickly and consistently
- Minimizes cutting time while maximizing specimen capacity of up to 3.75" (95mm) diameter
- Compact tabletop design fits most laboratory tables
- Uses 10" (254mm) abrasive blades and 2.5" (64mm) flange
- Enclosed 14W Fluorescent tube light with isolated electric control
- Heavy-duty cast aluminum base
- Large viewing window and lighted cutting chamber for monitoring the cutting operation
- Select models with Hood Switch, Hood Switch with mechanical brake, or Hood Lock with mechanical brake
- Front-mounted push-button operator controls including dual function Stop and Emergency Stop
- External mounted gas cylinders increase durability by eliminating exposure to harsh cutting environment
- Corrosion proof, nonflammable glass-reinforced plastic hood minimizes sound
- Rubber sealed side ports to accommodate long specimens up to 1¼" (32mm) diameter
- T-slot bed has standard 12mm DIN slots with stainless steel facings to accommodate a wide selection of vises

Technical Data

Operation:

Manual Chop Cutting

Motor Power:

4.0Hp (3.0kW)

Blade Size and Speeds:

10" (254mm) Blades, 3400 rpm (60Hz), 2830 rpm (50Hz)

Controls:

Push Button Controls for Start and Stop/Emergency Stop;

Coolant automatically activates when cutter started

Other Features:

Cleaning system: Clean-out hose, Heavy Duty Interior

Light (14 Watts), Extra Large Viewing Window,

Standard 12mm T-slot beds

Safety Features:

Emergency Stop, Choice of Hood Switch or Hood Lock,

24V Isolated Electronics, and optional Mechanical Brake

Coolant System Selections:

Recirculating System

Capacity: 7 gal. (27l)

1¼" (32mm) drain hose

¼Hp (75W) Motor/Pump

Recirculating System Cart for ease of filling and cleaning*

Vise Selections:

(A) Standard Left and Right Hand Cam-Lock vises, (B) Left

and Right Hand Sliding Vises* or (C) Speed Vise Kit

Additional Options:

Steel Frame Base Cabinet with doors

Normal Shipping Weight:

200 lb., (91kg)

Cutting Envelope:

Max. Diameter of Sample: 3.75" (95mm)

Dimensions:

24" W x 17" H x 26½" D (600 x 425 x 665mm)



The DELTA ABRASIMET's open cutting chamber accommodates a variety of specimens and irregular shaped parts. The cleaning system features a clean-out hose for effective end-of-day cleanup. Two jets optimize the presentation of the coolant to the wheel and sample. No repositioning is necessary for long parts or due to wheel wear.

General Application Guide

General cutter for routine laboratory usage and volumes.

Sections ferrous and nonferrous metals, ceramics, metal

matrix composites, thermal spray coating, polymers, coal,

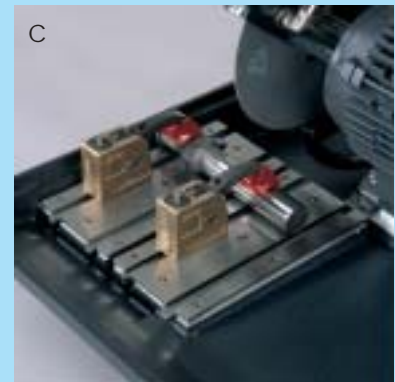
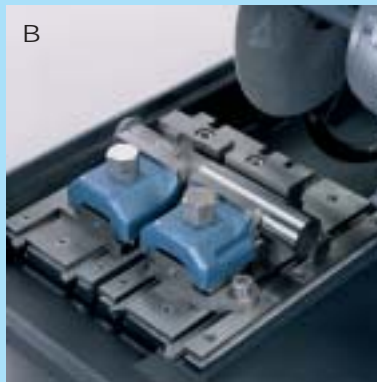
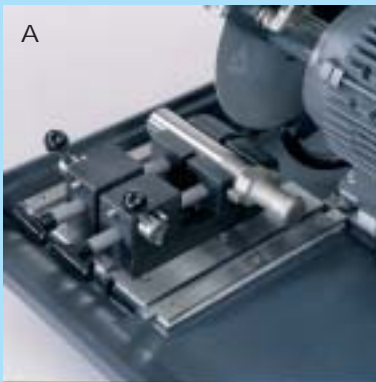
glass, cermets and minerals up to 3.5" (64mm) diameter.

Occasional larger specimens up to 3.75" (95mm) diameter.

Specialty vise for fastener sectioning.

*Recommended selection for most applications

For a complete listing of Buehler consumables supplies for use with the DELTA cutter, please refer to Buehler's Consumables Buyer's Guide. Buehler continuously makes product improvements; therefore, technical specifications are subject to change without notice.



All vising options for the DELTA ABRASIMET are pictured above. When used in conjunction with the T-slot beds, specimen positioning is quick and easy. The use of both left and right hand vises are recommended for sectioning of larger parts.



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