



Rugged Automatic Cutter with
Orbital Cutting Action

Orbital Action Produces Perfect
Cuts Quickly and Consistently

Models and Options Allow
Cutter to be Customized to
Application

SMARTCUT System Prevents
Sample and Machine Damage

Up to 6.75" (170mm) Diameter
Cutting Capacity

Uses 18" (455mm) Abrasive
Wheels

AUTOMATIC
ORBITAL CUTTER

DELTA™

BUEHLER



Technical Data

Operation:

Automatic Orbital cutting with user selected feed rate

Motor Power:

15Hp (11kW)

Feed Rate:

0.001-0.196 inch/second

0.003-0.004 inch/second increments
(0.05-5.0mm/second 0.1mm/second increments)

Wheel Size and Speeds:

18" (455mm)

1800 rpm (nominal)

Electronics:

Microprocessor Controlled with LCD

Controls:

Touch Pad Controls for Programmable Functions

4 User Defined Methods

Push Button Controls for Start, Stop, Pause, Rapid Advance

Programmable Stroke Travel with Automatic Shut-off:

0.03"-6.25", 0.04" increments
(1-130mm, 1mm increments)

Languages:

English, French, German, Spanish, Portuguese, Chinese, Japanese, Korean

Units:

Imperial and Metric

T-Slot Beds & Vises:

T-Slot Beds with X and Y Cross-slots for most versatile direction positioning of vises*

Normal Shipping Weight:

800 lbs. (365kg)

Dimensions with hood open:

46" W x 73" H x 40" D
(1080mm x 1860mm x 1040mm)

Dimensions with hood closed:

46" W x 66" H x 40" D
(1080mm x 1670mm x 1040mm)

Coolant Systems Selections:

Large Capacity Recirculating System

Capacity: 24 gal. (90l)

Flow Rate: 6 gal. (22l/min)

Swarf Conveyor System

Capacity: 65 gal. (243l)

Flow Rate: 10 gal. (38l/min)

Vise Options:

Sliding Vise for DELTA Automatic Orbital Cutter, Left and Right Hand*

Met Klamp II Vise for DELTA Automatic Orbital Cutter, Left and Right Hand

Speed Vise Kit, medium, for cutting irregular shaped specimens*

Angle Cutting Attachment

Adjustable Vee Blocks

Additional Options:

Fume Extractor

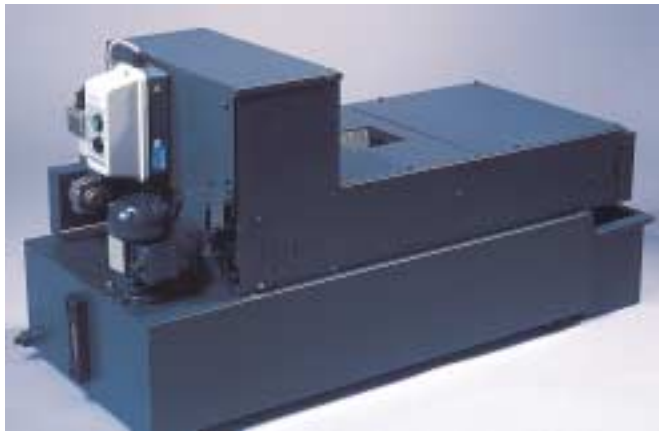
Mechanical Brake

Serial Cutting Table

Electronic Brake

General Application Guide

Heavy laboratory usage, highproduction volumes, or multiple shift operations. Steels, ferrous and nonferrous, and difficult to cut materials such as titanium, metal matrix composites and super alloys



The 10-2333 Filter Conveyor Swarf Removal System filters the coolant and then deposits the swarf in a separate container for easy disposal.



The DELTA features a spacious cutting chamber to accommodate large and irregular parts. Four large jets optimize cooling of the sample and wheel utilizing a full 6 gallon (22 liter per minute) flow rate. The cleaning system features a clean out hose and interior waterfall for easy end of day maintenance.

**Recommended for most applications*

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

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BUEHLER ANALYST®
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