



Models: Automatic Chop Cutter and Automatic Orbital Cutter

Both Chop Action and Orbital Action Minimize Deformation of Cut, Quickly and Consistently

Models and Options Allow Cutter to be Customized to Application

SMARTCUT System Prevents Sample and Machine Damage

Up to 5.25" (133mm) Diameter Cutting Capacity

Uses 14" (355mm) Abrasive Wheels

AUTOMATIC  
ABRASIVE CUTTERS

DELTA™

BUEHLER®



## Technical Data

**Operation:** Automatic Orbital Cutting or Automatic Chop Cutting with user selected feed rate and available with Electronic Brake

**Motor Power:** 7.5Hp (5.5kW)

**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:** 14" (355mm), 1900 rpm (nominal)

**Electronics:** Microprocessor Controlled with LCD

**Controls:** Touch Pad Controls for Programmable Functions, 4 User Defined Methods and 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

**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)

**T-Slot Beds & Vises:** T-Slot Bed with X and Y Cross-slots for most versatile direction positioning of vises\*

### Coolant Systems Selections:

#### Large Capacity Recirculating System

Capacity and Flow Rate: 24 gal. (90l) and 6 gal. (22l/min)

#### Swarf Conveyor System

Capacity and Flow Rate: 65 gal. (243l) and 10 gal. (38l/min)

**Additional Options:** Fume Extractor, Serial Cutting Table, Steel Frame Base Cabinet with Door and Tool Rack

**Vise Options:** Sliding Vise for DELTA Automatic Orbital and Chop Cutters, Left and Right Hand\*

Speed Vise Kit, medium, for cutting irregular shaped specimens

Vee Block Clamp Kit

### General Application Guide

Up to 5.25" (133mm) specimen size or less. Normal laboratory usage or smaller production volumes. Steels, nonferrous and ferrous and smaller, difficult to cut materials. Orbital Cutting Action recommended for large and/or difficult specimens and materials



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.



Orbital action, as compared to a traditional chop action, reduces the area of contact between the wheel and the sample.



The quick disconnect recirculating system provides a generous flow of coolant, dissipates heat and removes debris

Two 10-2526 T-Slot Beds come with the DELTA Cutter; a third can be added.

Select vises are required for specific applications

\*Recommended selection 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®  
SECTION

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## BUEHLER

BUEHLER LTD. - Worldwide Headquarters  
41 Waukegan Road • P.O. Box 1  
Lake Bluff, Illinois 60044-1699 USA  
Tel: 847/295-6500 • Fax: 847/295-7979  
Sales: 1/800/BUEHLER • 1/800/283-4537  
Web Site: <http://www.buehler.com>  
Email: [info@buehler.com](mailto:info@buehler.com)

BUEHLER GMBH  
In der Steele 2 • 40599 Düsseldorf  
Postfach 16 03 55 • 40566 Düsseldorf  
Telefon: (+49) 0211/974100 • Telefax: (+49) 0211/9741079  
Web Site: <http://www.wirtz-buehler.de>

BUEHLER SARL  
68, Chemin des Ormeaux  
F-69760 Limonest  
Téléphone: (+33) (04) 72 17 92 50 • Télécopie: (+33) (04) 72 17 92 49

BUEHLER UK  
Milburn Hill Road • University of Warwick Science Park  
Coventry CV4 7HS United Kingdom  
Tel: (+44) (0) 24 7669 2242 • Fax: (+44) (0) 24 7669 3032  
[metalsales@buehler.co.uk](mailto:metalsales@buehler.co.uk)