



TORONTECH



AUTOMATIC ABRASIVE CUTTER TORONCUT™ AUTO-300 SERIES

Automatic Abrasive Cutter ToronCut™ Auto-300 Series offers floor-standing, automatic cutters engineered for exceptional performance. This versatile cutting machine is designed to handle an extensive range of materials, including metals, fasteners, rocks, ceramics, polymers, composites, electronics, semiconductors, biomaterials, and more. Featuring optimized precision cutting technology combined with an advanced control system, the ToronCut™ Auto-300 Series ensures superior cut quality and high throughput for demanding applications.

APPLICATIONS

ToronCut™ Auto-300 Series is ideal for cutting a wide variety of materials, including ferrous and nonferrous metals, heat-treated components, moving parts, semiconductors, crystals, ceramics, rocks, and additional sample types. This capability ensures precision and adaptability across a range of sample preparation needs.

Automatic Abrasive Cutter ToronCut Auto-300 Series

Automatic Abrasive Cutter ToronCut Auto-300 Series

Automatic Abrasive Cutter ToronCut Auto-300 Series

FEATURES

- **High-Powered Motor:** Reduces cutting time and boosts productivity.

- **Adaptive Feed System:** Automatically adjusts feed speed in real-time based on load changes for optimized cutting.
- **Multiple Cutting Modes:** Supports Y-continuous, Y-pulse, Z-continuous, Z-pulse, and slicing modes (varies by model).
- **Industrial Joystick:** X, Y, and Z-axis joystick for precise and easy control.
- **8-Inch Color Touchscreen:** Simplifies operation with an intuitive user interface.
- **Electric Blade Brake:** Quickly stops the blade for enhanced safety.
- **LED Chamber Lighting:** Provides clear visibility inside the cutting chamber.
- **Durable Base:** Powder-coated aluminum casting base for long-lasting use.
- **Robust T-Slot Table:** Made from stainless steel and aluminum alloy for easy vise adjustments.
- **304 Stainless Steel Locking Vises:** Fast cam-locking design for secure sample holding.
- **Composite Left Cover:** Molded from anti-rust materials for durability.
- **Mobile Coolant System:** Plastic recirculation coolant tank with independent pump for efficient chamber cleaning.
- **Optional Laser Alignment:** Provides precise alignment aid for improved accuracy.

TECHNICAL SPECIFICATIONS

Model	ToronCut Auto-300XYZ	ToronCut Auto-300YZ	ToronCut Auto-300Z
Y Feed	Automatic		
Z Feed	Automatic	Automatic	-
X Feed	Automatic	○Manual	○Automatic ○Manual
Cutting mode	Continuous, Pulse	Continuous, Pulse	Continuous, Pulse
Blade(mm)	300*32*1.8		
Blade speed (rpm)	500-3000		
Table Dimensions (WxD,mm)	350*260		
X Travel	80mm		

Cooling	Automatic/manual		
Main Motor	3.0KW		
Power	110/220V AC, 50-60Hz, 1 Phase/3 Phase		
Accessories			
Diamond Blade	☐	☐	☐
SiC blade	☐	☐	☐
Alumina Blade	☒	☒	☒
Fast Cam Locking Vises	☒	☒	☒
Vertical Clamping vise	☐	☐	☐
Laser alignment aid	☐	☐	☐
Plastic tank	☒	☒	☒
Plastic tank with magnetic filter	☐	☐	☐
Cutting fluid	☐	☐	☐
Centrifugal separator	☐	☐	☐
●Standard ○Option			



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

