



TORONTECH



AUTOMATIC PRECISION CUTTER TORONCUT™ AUTO-250 SERIES

Automatic Precision Cutter ToronCut™ Auto-250 Series includes high-performance tabletop and floor-standing automatic cutters, designed for versatile cutting across a broad range of materials. Ideal for sectioning metals, fasteners, rocks, ceramics, polymers, composites, electronics, semiconductors, biomaterials, and more, this machine integrates advanced precision cutting technology with a modern control system. The result is exceptional cut quality and high throughput, meeting the needs of a wide variety of applications.

APPLICATIONS

The Automatic Precision Cutter ToronCut™ Auto-250 Series is engineered to handle a wide array of materials, making it suitable for cutting ferrous and nonferrous metals, heat-treated parts, moving components, semiconductors, crystals, ceramics, rocks, and various other samples. This adaptability ensures precise and efficient results across different applications.

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FEATURES

- **High-Powered Motor:** Reduces cutting time, boosting productivity.
- **Smart Feed System:** Automatically adjusts feed speed in real-time based on load changes for optimized cutting.
- **Multiple Cutting Modes:** Offers Y-continuous, Y-pulse, Z-continuous, Z-pulse, and slicing modes (varies by model) to suit different needs.
- **Easy-to-Use Joystick:** Industrial joystick with X, Y, and Z-axis control for precise maneuverability.
- **8-Inch Color Touchscreen:** Simplifies operation and enhances user experience.
- **Electric Blade Brake:** Provides faster blade stopping for improved safety.
- **LED Chamber Lighting:** Enhances visibility within the cutting chamber.
- **Powder-Coated Aluminum Base:** Ensures durability and stability.
- **Stainless Steel T-Slot Table:** Crafted from stainless and aluminum alloy for secure sample positioning.
- **304 Stainless Steel Locking Vises:** Fast cam locking for easy and secure clamping of materials.
- **Composite Left Cover:** Integral molding design for improved durability.
- **Mobile Coolant System:** Plastic recirculation tank for efficient cooling.
- **Independent Cleaning Pump:** Allows for easy cleaning of the chamber.
- **Optional Laser Alignment Aid:** Enhances accuracy with precise alignment assistance.

TECHNICAL SPECIFICATIONS

Model	ToronCut Auto-250XYZ	ToronCut Auto-250YZ	ToronCut Auto-250YZ
Y Feed	Automatic		
Z Feed	Automatic	Automatic	-
X Feed	Automatic	○Manual	○Automatic○Manual
Cutting mode	Continuous, Pulse	Continuous, Pulse	Continuous, Pulse
Blade(mm)	250*32*1.5		
Blade speed (rpm)	500-3000		

Table Dimensions (WxD,mm)	279*260		
X Travel	60mm		
Cooling	Automatic/manual		
Main Motor	2.2KW		
Power	110/220V AC, 50-60Hz, 1 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	☐	☐	☐
Base Bench	☐	☐	☐
●Standard ○ Option			



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