



TORONTECH



AUTOMATIC ABRASIVE CUTTER TORONCUT AUTO™-400YZ

Automatic Abrasive Cutter ToronCut Auto™-400YZ is a high-performance automatic abrasive cutter, ideal for sectioning various materials, including ferrous and nonferrous metals, heat-treated parts, forgings, semiconductors, crystals, ceramics, rocks, and more. Equipped with versatile fixtures, it can handle irregularly shaped workpieces with precision, making it a top choice for enterprises and scientific research institutions seeking reliable, efficient cutting solutions.

APPLICATIONS

Automatic Abrasive Cutter ToronCut Auto™-400YZ is a high-performance vertical hand auto integrated metallographic cutting machine designed with a modular concept that combines advanced mechanical structure, control technology, and precision cutting capabilities. It offers excellent visibility and flexibility, powered by strong performance and high cutting efficiency. The user-friendly 8-inch color touchscreen allows for easy parameter settings, complemented by physical navigation keys for straightforward operation.

This machine is suitable for cutting a wide range of materials, including ferrous and nonferrous metals, heat-treated parts, forgings, semiconductors, crystals, ceramics, rocks, and other samples. Equipped with various fixtures, it can effectively cut irregularly shaped workpieces, making it an ideal choice for enterprises and scientific research institutions.

FEATURES

- **High Control Power:** Equipped with a robust AC motor and motor drive for strong performance and high efficiency.
- **Intelligent Feeding System:** Automatically adjusts cutting block size and reduces feeding speed if it encounters a blockage, while monitoring force levels.
- **Automatic Speed Recovery:** After overcoming a blockage, the machine automatically returns to the pre-set cutting speed.
- **Versatile Cutting Methods:** Supports manual feeding, longitudinal feeding, optional feeds, linear feeds, L-cuts, and other cutting techniques.

- **User-Friendly Touchscreen:** Features an 8-inch high-definition color touchscreen for easy operation.
- **Long-Lasting LED Lighting:** Includes durable LED lighting for extended observation life.
- **Sustained Power:** Delivers consistent high power without fluctuations.
- **Corrosion-Resistant Construction:** Built with 304 stainless steel and a standby tank, making the worktable easy to replace and resistant to corrosion. Various model options expand cutting capabilities.
- **Effortless Maintenance:** Designed for long operational life and easy upkeep.
- **Large-Capacity Water Tank:** Features a 300L mobile stainless steel water tank for efficient cleaning and circulation.
- **Efficient Circulation System:** Reduces the risk of sample burning during the cutting process.
- **Height Observation System:** Simplifies cleaning and maintenance of the cutting area.

TECHNICAL SPECIFICATIONS

Model	ToronCut Auto-400YZ
Y Feed	Automatic/Manual
Z Feed ○	Automatic
Cutting mode	Continuous, Pulse
Blade(mm)	400*32*3.0
Blade speed (rpm)	2800
Table Dimensions (WxD,mm)	600*500
YTravel	450mm
Cooling	Automatic/manual
Main Motor	5.5KW
Power	380V/3 Phase

Dimensions	1500x1450x1850mm
Accessories	
Diamond Blade	☐
SiC blade	☐
Alumina Blade	☒
Fast Cam Locking Vises	☒
Vertical Clamping vise	☐
Laser alignment aid	☐
400L stainless steel cooling water tank	☒
Magnetic filter water tank	☐
Cutting fluid	☒
Centrifugal separator	☐
Base Bench	☐
●Standard ○Option	



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