



TORONTECH



## **RECIRCULATING COOLANT TANK FOR ABRASIVE CUTTERS - TORONCUT™ CT-SERIES**

Recirculating Coolant Tank for Abrasive Cutters – ToronCut™ CT-Series designed for compatibility with multiple cutter brands, this cooling system is an adaptable solution that promotes cleaner, more efficient cutting operations.

## APPLICATIONS

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The ToronCut™ CT-Series Recirculating Coolant Tank is an essential support system for any abrasive cutter, designed to optimize the sectioning process. By delivering a continuous supply of clean, filtered coolant, it effectively prevents thermal damage, minimizes sample deformation, and significantly extends the life of the cutting wheel. This ensures the production of high-quality, pristine cut surfaces ready for subsequent analysis.

This system is a critical component for maintaining cut quality and efficiency in:

- **Metallurgical Sample Preparation:** For producing clean, burn-free cross-sections of metals and alloys, which is an absolute prerequisite for accurate microstructural examination, hardness testing, and weld inspection.
- **Manufacturing Quality Control:** To section production parts such as castings, forgings, and heat-treated components for routine inspection to verify process integrity and check for internal defects without introducing cutting artifacts.
- **Failure Analysis:** In forensic engineering to carefully section failed components, preserving the integrity of fracture surfaces and the surrounding microstructure, which is crucial for accurately determining the root cause of failure.
- **Materials Research & Development:** For preparing a wide variety of materials, including composites, ceramics, and advanced alloys, ensuring that the cut surface is representative of the bulk material for subsequent characterization and testing.

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## FEATURES

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- **Anti-Rust Plastic Tank:** Durable, corrosion-resistant construction for long-lasting performance across various cutters.
- **Mobile Tank with Wheels:** Easily transported to accommodate different work setups.
- **Drain Valve for Easy Water Changes:** Simplifies maintenance and ensures efficient operation.
- **Multi-Chamber Filtration:** Provides superior filtration for cleaner coolant circulation, reducing contamination risks.
- **Optional Strong Magnetic Filtration:** Enhances particle capture, ideal for metalworking applications.



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