



CASTABLE VACUUM COLD MOUNTING SYSTEM TORONMOUNT™ - CAST1000

The ToronMount™-CAST1000 is a specialized system designed to perfect the cold mounting process by using a vacuum to eliminate entrapped air. Its primary application is the complete impregnation of specimens with mounting resin, which is absolutely essential for preserving the integrity of porous, cracked, or delicate materials. This ensures that voids and fractures are fully supported, providing superior edge retention and preventing damage during subsequent preparation steps.

APPLICATIONS

This critical impregnation capability is indispensable for accurate analysis in:

- **Failure Analysis:** For fully impregnating crack networks in failed components, ensuring that the entire fracture path is preserved and supported, which is essential for a definitive root cause investigation.
- **Electronics & Microelectronics:** To achieve void-free encapsulation of printed circuit boards (PCBs) and delicate electronic components, preventing preparation-induced damage and allowing for a perfect cross-sectional analysis.
- **Thermal Spray Coatings & Composites:** For infiltrating and supporting the inherent porosity within thermal spray coatings or the complex interfaces in composite materials, which is crucial for accurately measuring coating thickness and evaluating structural integrity.
- **Geology, Ceramics & Porous Materials:** To prepare samples of rocks, minerals, ceramics, and powdered metals by filling all inherent porosity with resin, creating a solid, stable specimen that can be polished to reveal the true material structure without artifacts.

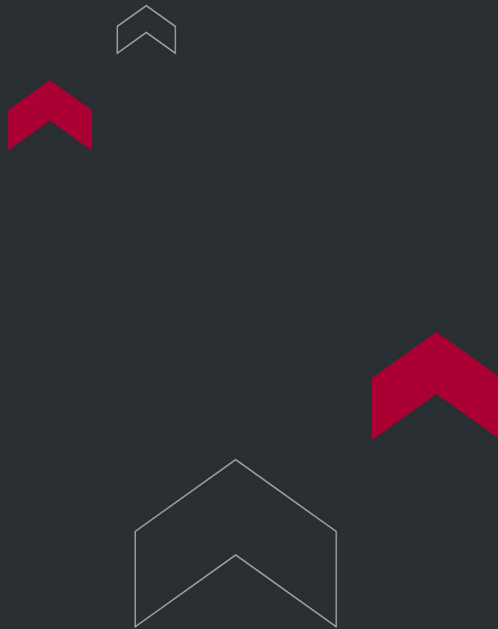
Castable Vacuum Cold Mounting System ToronMount-CAST1000

FEATURES

- **Large Vacuum Chamber:** Provides ample space for processing multiple samples simultaneously.
- **Transparent Cover:** Allows for easy observation of samples during processing.
- **Retractable Arm:** Designed for user convenience and easy operation.
- **Efficient Vacuum Pump:** Ensures effective air removal for optimal mounting results.
- **Versatile Applications:** Suitable for use with epoxy resins, acrylic resins, polyester resins, and

TECHNICAL SPECIFICATIONS

Model	ToronMount™-CAST1000
Ultimate Vacuum	10Pa
Mold size	● 30mm ○ 1,1.25,1.5, 2.0inch ○ Rectangular
Power	110/220V□ 50/60Hz, Single Phase
Chamber (WxDxH)	300*300*300
Pump(WxDxH)	260*110*240
Weight	6Kg
Epoxies resins	● 1sets
Mould Release	○ 250ml
● Standard ○ Option	



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