



TORONTECH



METALLOGRAPHY MOUNTING PRESSES

In materials science, the integrity of your sample preparation dictates the reliability of your results. A flawless mount isn't just a preliminary step; it is the foundation for accurate microstructural analysis and dependable hardness testing.

A superior mounting press machine does more than encapsulate a specimen—it preserves the material's true structure, protects fragile features, and ensures perfect edge retention. For industries from aerospace to automotive where material failure is not an option, the quality of your mount is paramount. This is the precision a metallographic mounting press from Torontech delivers.

ToronMount Series: Engineered for Uncompromising Performance

At Torontech, we don't just build equipment; we engineer solutions for the experts. The ToronMount-Series is a testament to this philosophy, offering a robust portfolio of hot and cold mounting systems designed for superior performance and repeatability.

Our programmable, automatic hot mounting presses are engineered for exceptional efficiency and can significantly reduce bottlenecks in your workflow. For delicate or porous samples requiring the highest precision, our advanced castable vacuum cold mounting systems minimize imperfections by ensuring complete impregnation under vacuum.

Key Features of the ToronMount-Series:

- **Precision Control:** Our automatic systems offer programmable settings for temperature, pressure, and timing, ensuring consistent and reproducible results for every mount.
- **Durability and Reliability:** Constructed with high-quality materials, Torontech's mounting presses are built to withstand the demands of high-throughput labs.
- **Versatility:** With a range of mold sizes and the ability to handle various mounting resins, the ToronMount-Series is adaptable to a wide array of sample types and applications.

Why Settle for Adequate? Demand Excellence

Your work demands accuracy. Your analysis shapes the future of materials. Don't let substandard sample preparation compromise your results. The Torontech ToronMount-Series provides the precision, reliability, and efficiency required by today's leading materials science labs.

Choose the metallographic mounting press that empowers your analysis. Choose Torontech.

Compare Metallography Mounting Press Options

Side-by-side overview of ToronMount™ hot and cold mounting systems to help you choose the right setup.

Feature	ToronMount™ 301/501/1201/4001 (Single Cylinder, Auto Hot)	ToronMount™ 502/1202/4002 (Dual Cylinder, Auto Hot)	ToronMount™ - CAST1000 (Vacuum Cold)	ToronMount™ - CAST1000R (Vacuum Cold)	ToronMount™ - CAST1000S (Vacuum Cold)
Mounting method	Hot mounting (automatic)	Hot mounting (automatic)	Cold mounting (castable) with vacuum impregnation	Cold mounting (castable) with vacuum impregnation	Thermally stable mounting
Best for	Repeatable automated hot mounting for routine to high-throughput labs	Higher throughput hot mounting using dual- cylinder workflow	Delicate or porous samples needing vacuum impregnation	Delicate or porous samples needing vacuum impregnation (variant model)	Manual work, simple prep
Automation level	Programmable automatic cycle (temp/pressure/time)	Programmable automatic cycle (temp/pressure/time)	Vacuum-assisted impregnation workflow (system dependent)	Vacuum-assisted impregnation workflow (system dependent)	Manual

Feature	ToronMount™ 301/501/1201/4001 (Single Cylinder, Auto Hot)	ToronMount™ 502/1202/4002 (Dual Cylinder, Auto Hot)	ToronMount™ - CAST1000 (Vacuum Cold)	ToronMount™ - CAST1000R (Vacuum Cold)	Toro 22/3 Ther
Cylinder configuration	Single cylinder	Dual cylinder	Not applicable	Not applicable	Not s press
Throughput fit	Medium to high (workflow dependent)	High (workflow dependent)	Low to medium (process dependent)	Low to medium (process dependent)	Low t
When to choose	When you want automated hot mounting and consistent repeatability	When throughput is a priority and dual-cylinder workflow helps reduce bottlenecks	When sample porosity or fragility needs vacuum impregnation to reduce voids	When you need the CAST1000R configuration for your process	When manu for st moun



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