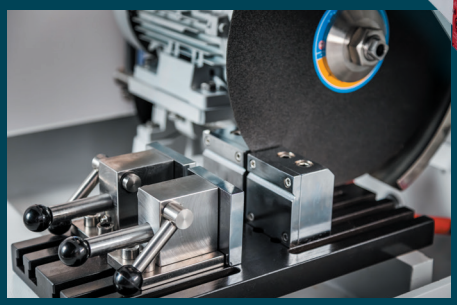
UNITED TESTING SYSTEMS

Tru-Blue µVT

Tru-Blue Sample Cutter



The United Testing System Tru-Blue Sample Cutter offers a robust, powerful, and easy to use bench-top cutting system. With the Tru-Blue SC-1000, you'll be able to effectively cut your samples to prepare them for microhardness testing – ultimately allowing you to achieve accurate and repeatable results.

The Tru-Blue SC-1000 is available as a stand-alone instrument, can be added to an existing lab, or you can choose to use it alongside the brand-new United Testing System Tru-Blue µVT – a state-of-the-art microhardness testing system.

The Tru-Blue Sample Cutter – offers a highly effective tool for cutting sample material used for microhardness testing.

Key features

- Sturdy bench top machine – used for cutting metals, alloys, ceramic, and related material.
- 3 kW motor
- 2840 Max RPM
- Manually operated cutting lever
- 3.5-inch (90mm) diameter round sample cutting capacity
- Corrosion resistant sheet metal cover with large see-through safety hood
- Robust base that ensures a sturdy, vibration free environment.
- Easy to use twin cam actuated vices for holding samples.

- All inside components are made from stainless steel to withstand wet environments.
- Blade cooling is provided by two high-flow jets to maximize temperature control.
- 11W interior light ensures adequate lighting is available for the operator.
- Separately mounted, 57-liter (15 gallon) recirculation coolant tank is included.

Product specifications

- Machine dimensions – 25.6 in (650 mm) x 26.3 in (670 mm) x 30.3 in (770 mm)
- Weight - 242.5 Lbs. (110kg)
- Shipping weight - 427.6 Lbs. (194 kg)
- Motor 3KW, 2840 rpm
- Cutting system – manual
- Cutting Table dimensions (T-slotted clamping table) – 14.5 in (370 mm) x 6.8 in (173 mm)
- Clamping devices – fast-cam locking vices (2 pcs)
- Cutting capacity – 3.5 in (90 mm) diameter
- Coolant reservoir dimensions 23.6 in (600 mm) x 15.7 in (400 mm) x 11.8 in (300 mm)
- Coolant reservoir capacity – 15-gallon (57-litre)

Standards

ASTM E384 & E92; ISO 6507, 9385, 4546

Standard Accessories

- Recirculation coolant system (reservoir & pump)
- Two (2) coolant circulation hoses and clips
- Arrow wrench and Arbor pin
- Five (5) abrasive cutting wheels
- Abrasive cutting fluid (1.3 gal / 5-liter)
- Fast cam locking vice clamping devices (2 pcs)

About the Tru-Blue µVT

The True-Blue Sample Cutter is the perfect tool to prepare materials being used for microhardness testing. But once your samples are ready to go, you'll need an industry-leading micro-hardness tester.

So, why not choose the Tru-Blue µVT?
United Testing System's Tru-Blue µVT (MicroVT) is a state-of-the-art, semi-automated microhardness test system that offers industry-standard features and quality performance. The instrument is backed by United's long-standing tradition of delivering quality, durability, high performance, and excellent value.

The Tru-Blue µVT is designed to measure hardness values on the Vickers (HV) and Knoop (HK) scales from 10g up to 1000g (1kg). Fully digital programming and control coupled with high-quality optics make running a test quick and easy for every user.

Your partner in Rockwell testing

With a wealth of experience in the Rockwell hardness market, we are globally recognized as leaders in the space – consistently producing high quality, high performing solutions.

United Testing Systems is part of the Industrial Physics family. At Industrial Physics, it's our purpose to protect the integrity of brands and products across the globe by providing first rate test and inspection solutions. By choosing Industrial Physics as your partner – and investing in our line of microhardness products – you'll be able to minimize unnecessary downtime.

To find out more about partnering with Industrial Physics, get in touch to speak with our team.

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