

Tru-Blue Grinder & Polisher



The United Testing System Tru-Blue Grinder & Polisher offers a robust, powerful, and easy to use bench-top surface preparation system. With the TB-GP, you'll have the perfect tool to prepare the surface of your chosen samples in order to achieve accurate and repeatable results when conducting microhardness tests on critical parts and components. The TB-GP is available as a stand-alone preparation system, can be added to an existing lab, or you can use it alongside the brand-new United Testing System Tru-Blue μVT – a state-of-the-art microhardness testing system.

About the Tru-Blue Grinder & Polisher

The Tru-Blue Grinder & Polisher is a bench-top system that features a dual-disk design allowing for course grinding on one wheel and final polishing on

the opposite wheel. Both wheels offer water supply spouts, and you can easily set variable forward and reverse wheel speeds.

Key features of the Tru Blue Grinder & Polisher

- Sturdy bench top machine
- Corrosion resistant cover
- Quick & easy operation
- Dual disk design with dual waterspouts
- Forward/reverse modes
- Digital RPM display
- Fine adjustment RPM control knob
- Easy to access plumbing and drain connections.

Product specifications

- Dimensions – 27.5 in x 24.8 in x 15.7 in
(70 cm x 63 cm x 40 cm)
- Bench Weight – 110 Lbf (50 kg)
- Ship Weight (w/ Accessories) – 198 lbf (90 kg)
- Motor - 0.55 KW
- Wheel speed - 100 -500 rpm (adjustable)
- Power - 220 Volt, 50 Hz
- Disc diameter - 200 mm (250 mm optional)

Standards

ASTM E384 & E92; ISO 6507, 9385, 4546

May also conform to other standards not listed

Standard Accessories

- 200 mm aluminum top discs and magnets (2 pcs)
- Stainless steel discs (5 pcs)
- Flexible water hose and control valves,
- Flexible water hose for drain connections.
- Self-adhesive emery paper (220 grit) 10 pcs
- Self-adhesive emery paper (400 grit) 10 pcs
- Self-adhesive emery paper (600 grit) 10 pcs
- Self-adhesive emery paper (800 grit) 10 pcs
- Self-adhesive polishing cloth 10 pcs
- Diamond paste (3-6 microns)
- Alumina suspension (500 gr)

About the Tru-Blue μ VT

The Tru-Blue Grinder & Polisher is the perfect tool to prepare the surface of samples. But once your samples are ready to go, you'll need an industry-leading micro-hardness tester.

So, why not choose the Tru-Blue μ VT?

United Testing System's Tru-Blue μ VT (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 μ VT 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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