

TM TensileMill GR04



AUTOMATIC LONGITUDINAL POLISHER SYSTEM TensileMill Gr04



- 2220 Meridian Blvd., Suite #AF937, Minden, NV, 89423, USA
- 11407 SW Amu St., Tualatin, OR, 97062, USA
- 4071 L.B. Mcleod Rd. Ste D PMB 34, Orlando, FL, 32811, USA
- 847 Sumpter Road, Belleville, MI, 48111, USA
- 918 16 Ave NW, Calgary, AB, T2M 0K3, Canada

+1 (877) 672 2622

775-981-9041

sales@tensilemillcnc.com

www.tensilemillcnc.com

TensileMill Gr04

AUTOMATIC LONGITUDINAL POLISHER SYSTEM

The Longitudinal Polisher ver. TensilePolish GR04 from Material Testing Center is designed to lower grinding stress and surface residual stress after the initial processes of turning, milling and grinding. TensilePolish GR04 utilizes intuitive and user-friendly touchscreen application.

AUTOMATIC LONGITUDINAL POLISHING FOR TENSILE TEST SAMPLES

- 

SMALL FOOTPRINT
- 

PERFECT FOR UNTRAINED CNC MACHINIST
- 

TURNKEY SOLUTION
- 

ACCURATE AND REPEATABLE RESULTS, EVERY TIME!
- 

SUPER USER-FRIENDLY
- 

FREE PROOF OF CONCEPT

The Longitudinal Polisher ver. TensilePolish GR04 is able to polish the cylindrical and flat specimens. The system complies with ASTM E466, ASTM E606, EN 6072 and NADCAP industry standards.

LONGITUDINAL POLISHER FEATURES

- | | | |
|--|---|---|
|  <p>AUTOMATIC LONGITUDINAL POLISHING</p> <p>Consistent results with nonrecurring contact between the specimen and sandpaper</p> |  <p>CUSTOMIZABLE POLISHING PARAMETERS</p> <p>Adjustable rotation, force, speed, and active polishing length</p> |  <p>VERSATILE SANDPAPER OPTIONS</p> <p>Can switch between four kinds of sandpapers during the polishing process</p> |
|--|---|---|



LONGITUDINAL POLISHER AVAILABLE MODEL LIST

| | |
|---|---|
| SCS Standard Cylindrical Specimen | Can polish cylindrical specimen in different diameters and length in compliance with EN6072 |
| ESCS Extremely Small Cylindrical Specimen | Can polish extremely small cylindrical specimen in different diameters and length in compliance with EN6072 |
| ELCS Extremely Large Cylindrical Specimen | Can polish extremely large cylindrical specimen in different diameters and length in compliance with EN6072 |
| FS Flat Specimen | Can polish flat specimen in different diameters and length in compliance with EN6072 |
| C Customized Longitudinal Polisher | Customization available to meet specific demands |

LONGITUDINAL POLISHER TECHNICAL SPECIFICATIONS

- ◆ Polishing system is able to polish cylindrical and flat specimens in different diameters and lengths
- ◆ Polishing is carried out automatically and longitudinally
- ◆ Polishing is controlled so that contact between the specimen & particular area on the paper occurs only once
- ◆ Sandpaper pushing force is adjustable between 5-50 [N]
- ◆ Speed of longitudinal movement of sandpaper is adjustable between 10 – 100 mm/sec with 10 mm/sec step
- ◆ Movement distance of sandpaper (active polishing length) is adjustable between 5-280 mm
- ◆ Usage of different sandpapers (ex. 200 grit, 400 grit, 600, 800 grit etc.) is possible
- ◆ During the polishing process the polisher can switch between the four different kinds of sandpaper automatically
- ◆ All adjustments are controlled with a touchscreen

PERFECT SOLUTION FOR FLAT AND ROUND SAMPLE PREPARATION