

# TensileMill

Empowering operators of any skill level to contribute to highest manufacturing testing standards from A to Z.

2025



- 2220 Meridian Blvd., Suite #AF937, Minden, NV, 89423, USA
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www.tensilemillcnc.com

# TensileMill CNC **MINI**

## Compact Flat Tensile Specimen Preparation Machine



The Compact Flat Tensile Test Sample Preparation Machine is designed to deliver precision and efficiency in a space-saving format, making it ideal for both small and large laboratories. With its robust construction and user-friendly interface, this machine ensures consistent sample preparation for tensile testing, significantly reducing setup time while enhancing the accuracy of results. Its advanced features, including automated processes and quick changeover capabilities, make it a reliable solution for diverse material testing needs, providing superior repeatability and performance.

### PREPARING FLAT TENSILE SPECIMENS IN ACCORDANCE TO ASTM, ISO, DIN AND JIS STANDARDS.



**SMALL  
FOOTPRINT**



**PERFECT FOR UNTRAINED  
CNC MACHINIST**



**TURNKEY  
SOLUTION**



**ACCURATE AND REPEATABLE  
RESULTS, EVERY TIME!**



**SUPER  
USER-FRIENDLY**



**FREE  
PROOF OF CONCEPT**



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The Classic Upgrade Flat Tensile Test Sample Preparation Machine is engineered for high precision and durability, ideal for demanding testing environments. This upgraded model combines enhanced stability and cutting accuracy with user-friendly operation, allowing for seamless flat tensile sample and impact test preparation in a wide range of materials. Its heavy-duty construction ensures long-term reliability while maintaining consistent performance.

### PREPARING FLAT TENSILE SPECIMENS IN ACCORDANCE TO ASTM, ISO, DIN AND JIS STANDARDS.



**NO SURFACE  
GRINDER  
NEEDED**



**FLAT TENSILE &  
IMPACT SPECIMEN  
PREPARATION**



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# TensileMill CNC CLASSIC UPGRADE



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# TensileMill CNC **INDUSTRIAL UPGRADE**

## Round Tensile Specimen Preparation Machine



The Industrial Upgrade Round Machine offers robust performance and precision for high-demand testing environments. Designed for efficient round sample preparation, it features enhanced cutting accuracy, durable construction, and automated processes, ensuring consistent results while minimizing operator input. Ideal for large-scale industrial applications, it delivers reliable performance and adaptability across various material types.

### **PREPARING ROUND TENSILE SPECIMENS IN ACCORDANCE TO ASTM, ISO, DIN AND JIS STANDARDS.**



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## **AUTOMATIC LONGITUDINAL POLISHER SYSTEM**

The Automatic Longitudinal Polisher System is designed for precise and efficient flat and round sample polishing in preparation for tensile testing. Featuring automated longitudinal polishing and adjustable settings, this system ensures uniform surface finishes for consistent test results. It is ideal for high-volume operations, offering ease of use, repeatable quality, and reduced manual effort, making it a reliable choice for advanced material preparation.

### **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**
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# TensileMill **TENSILE TESTING EQUIPMENT**

## **SERVO HYDRAULIC UNIVERSAL TESTING MACHINE 2000kN with Precision Load Cell**



Machine offering high force capacity and precision for tensile, compression, and bending tests. With advanced hydraulic control and accurate load cells, this machine delivers reliable performance even for the most demanding industrial applications. It's designed for versatility and durability, ensuring consistent test results while handling large and complex samples with ease.

## **SERVO HYDRAULIC UNIVERSAL TESTING SYSTEM 600kN / 1000kN with Precision Load Cell**



Designed for high-capacity, versatile material testing. It offers precise control and accurate measurements for tensile, compression, and bending tests across various materials. Equipped with advanced load cells and user-friendly software, it ensures consistent results, making it ideal for both research and industrial applications requiring robust performance and adaptability.

## **ELECTRO MECHANICAL UNIVERSAL TESTING SYSTEM 50kN / 600kN with Precision Load Cell**



This system is designed for versatile material testing, offering precise control for tensile, compression, and flexural tests. With robust construction and advanced electronics, it ensures reliable performance across various sample types, making it suitable for both research labs and industrial applications. The user-friendly interface and flexible configuration options guarantee consistent accuracy and repeatability in diverse testing scenarios.

### **INTERNATIONAL STANDARDS:**

ASTM E4 and ISO 750001  
ISO 898-1: 1999, ISO 898-2: 1992, ISO 898-6: 1994, ASTM F606-07 GB/T 1231-2006  
and other industry standards.

### **FORCE CAPACITY:**

50kN (11240.44 lbf), 100kN (22480.89 lbf),  
200kN (44961.78 lbf), 300kN (67442.68 lbf),  
500kN (112404.47 lbf), 600kN (134885.36 lbf)



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# TENSILE SAMPLE PREPARATION EQUIPMENT

## TensileMill CNC MINI

### Compact Flat Tensile Specimen Preparation Machine

The Compact Flat Tensile Test Sample Preparation Machine is designed to deliver precision and efficiency in a space-saving format, making it ideal for both small and large laboratories.



## TensileMill CNC CLASSIC UPGRADE

The Classic Upgrade Flat & Impact Tensile Test Sample Preparation Machine is engineered for high precision and durability, ideal for demanding testing environments.



## TensileMill CNC INDUSTRIAL UPGRADE

The Industrial Upgrade Round Machine offers robust performance and precision for high-demand testing environments.



## AUTOMATIC LONGITUDINAL POLISHER SYSTEM

The Automatic Longitudinal Polisher System is designed for precise and efficient flat and round sample polishing in preparation for tensile testing.



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