



**PERFECT SOLUTION FOR ROUND TENSILE
SAMPLE PREPARATION**

Technical Specifications TensileTurn

Total connection	3.5KW
Main motor power	2.2KW
Coolant pump power	40W
Capacity	
Swing over bed	Ø300mm
Swing over cross slide	Ø200mm
Center width	600mm
Center height	140mm
Spindle	
Spindle nose	1:4
Spindle taper	MT4
Spindle bore	Ø26mm
Spindle speed range	30-4000mm
Lathe chuck	Ø125mm
Tool changer	
Type	electric
Numbers of tool position	4
Section of tool (Max)	12x12mm
Travel	
X axis	180mm
Z axis	465mm
X axis rapid speed	6000mm/min
Z axis rapid speed	8000mm/min
Accuracy	
Position accuracy	X:±0.05mm,Z:±0.03mm
Repeat position accuracy	X:±0.02mm,Z:±0.02mm
Tailstock	
Tailstock taper	MT2
Tailstock sleeve diameter	Ø30mm
Tailstock sleeve travel	80mm
Dimensions	
Overall dimension (LxWxH)	62.5" x 27.75" x 59.65"
Packing size (LxWxH)	72" x 37.2" x 72.65"
Net weight/Gross weight	800/900KG
Tank capacity	25L

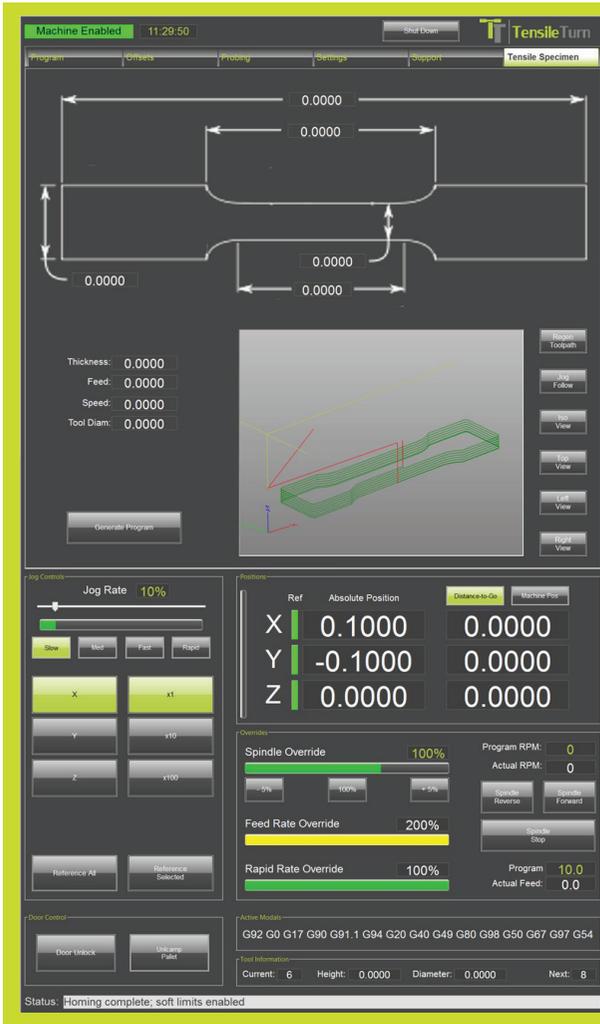
FEATURES

- » **2.2KW Heavy Duty Motor**
- » **3-Jaw Universal Manual Chuck**
- » **Tailstock Center**
- » **25L Coolant Tank Capacity**
- » **16" Long and 2" Diameter Capacity**

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TensileTurn - Lathe Sample Preparation Machine



General

The TensileTurn is a conveniently sized automatic CNC lathe designed to prepare accurate round tensile specimens to achieve the highest accuracy in tensile results. The TensileTurn features our award winning touch screen tensile milling interface to allow any operator, with or without machining experience, to quickly prepare tensile specimens as per your desired size. By simply selecting a common tensile size from our library of common standards (ASTM, ISO, DIN, etc) or by entering your own dimensions on the touch screen numerical keypad, the TensileTurn is ready to machine specimens up to 2" in diameter and up to 16" in length after only a few simple steps.

The TensileTurn also features our complete Carbon software which allows the more experience operators to program the TensileTurn for universal applications for cutting, sanding, knurling, drilling, facing or turning.

TensileTurn CNC can prepare standard round tensile specimens, sub-size specimens, threaded tensile specimens, button-head tensile bars, fatigue specimens and other round testing specimens. The operator is only required to simply load the machine with either round, square or irregular stock.

The TensileTurn allows your laboratory personnel to bypass any wait times with your machining center and prepare their own tensile specimens ready for testing in a matter of minutes. The production of high quality tensile specimens combined with ease of use is what sets the TensileTurn CNC apart. It enables the rapid milling of precisely measured round and button head specimens for superior tensile testing results.

Controller

Our easy to use touch screen controller is equipped with our complete Carbon software. Our control systems include 64 Gb of storage, 4 Gb of RAM, WiFi, Ethernet, USB ports, macro B programming, 254 tool offsets, 126 work offsets, helical interpolation, drilling canned cycles, scaling and mirroring, advanced trajectory planning, cutting edge dual mode cutter compensation, and more. Along with the tensile milling software interface, Carbon also allows the operator to access the MACH4 Industrial CNC Software used for professional CNC Control functions. Our Carbon software is constantly having new features developed, and every TensileMill CNC system includes updates at no additional cost.