TensileMill

TensileMill CNC MINI – Flat Specimen Preparation

SPECIFICATIONS

TensileMill CNC MINI is a compact high speed, machining center designed for the testing industry. It is a perfect fit for a lower tensile sample preparation volumes. Although small in size, our TensileMill CNC MINI is built on a cast iron frame and all axes slide smoothly on linear rails. 24,000 RPM ISO 20 spindle and high powered servo provide excellent machining capability.

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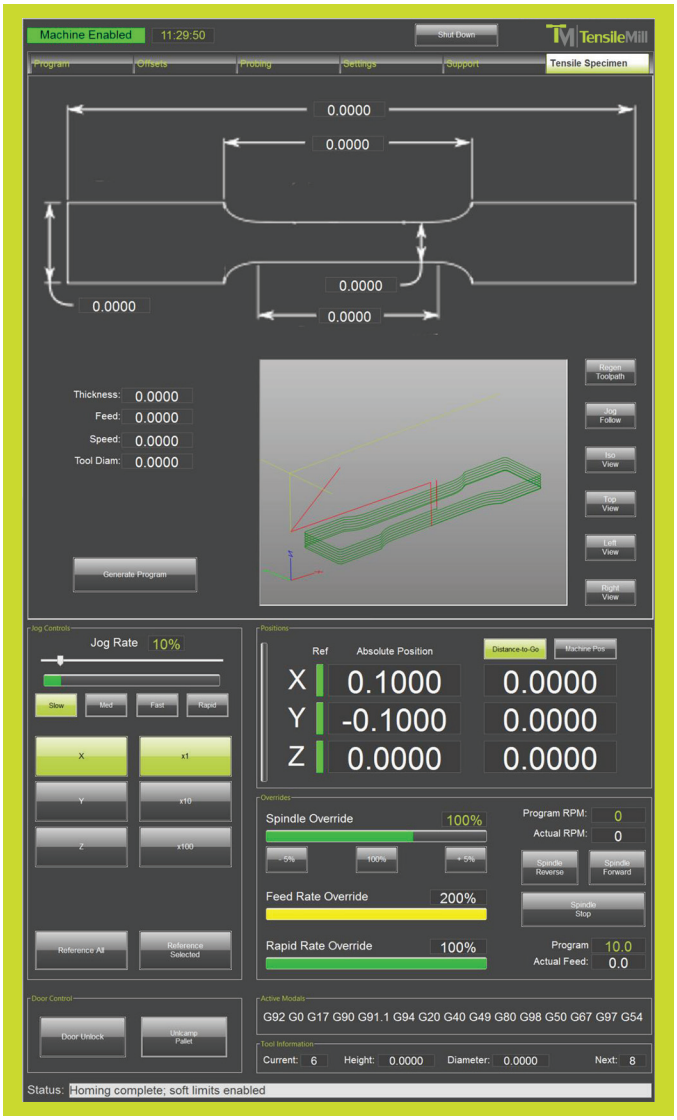

General

TensileMill CNC MINI is a highly robust, compact tensile sample preparation / CNC machining unit that meets ASTM, ISO, DIN and JIS tensile sample preparation requirements. The unit comes standard with our state-of-the-art tensile software allowing you to quickly mill your samples with a push of 2-3 buttons.

The tensile software interface saves and provides quick access to previously entered specimen sizes. It also includes a diverse library of preprogrammed tensile specimens allowing the operator to quickly launch a program without having to enter any measurement at all.

Require additional CNC, G-Code Milling capabilities? With your new TensileMill CNC MINI you may also upgrade to a Carbon software interface; our intuitive and powerful CNC control system with endless possibilities.

Controller

The tensile software / Carbon software controller upgrade is a system which includes a 64Gb storage, 4Gb of RAM, WiFi, Ethernet, USB ports, macro B programming, 254 toll 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.

Technical Specifications TensileMill CNC MINI

Working/ Traveling Area	400mm x 400mm x 200mm (15.75 x 15.75 x 7.87 inch)
Spindle Motor	1.5 KW Water Cooling spindle
Motor Drive	Closed Loop Stepper Motor/Driver
Drive Mechanism	Precision Ballscrew
Resolution	0.01mm
Max Engraving Speed	10,000mm/min
Rotating Speed of Spindle	24,000rpm
Tool Shank	Up to 12.00mm
Frame	Cast iron
Controlling Code	TensileMill CNC Interface on 10" Touch Screen Control
Operating Voltage	220V / Add a up transformer for 110VAC
Machine size	43.3" x 43.3" x 65"