



TensileMill CNC XL – Flat Specimen Preparation

SPECIFICATIONS

- » Travels (X/Y/Z): 15.7"/9.1"/15.7"
- » Table Dimensions: 31.5" x 9.4"
- » Load Capacity: 330 lb (150 kg)
- » Spindle Speed: 10,000 RPM
- » Spindle Power: 5 hp (3.7 kW) Peak
- » Number of Tools: 10
- » Tool Shank: BT30
- » Max Feed: 1000 ipm (25.4 m/min)

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General

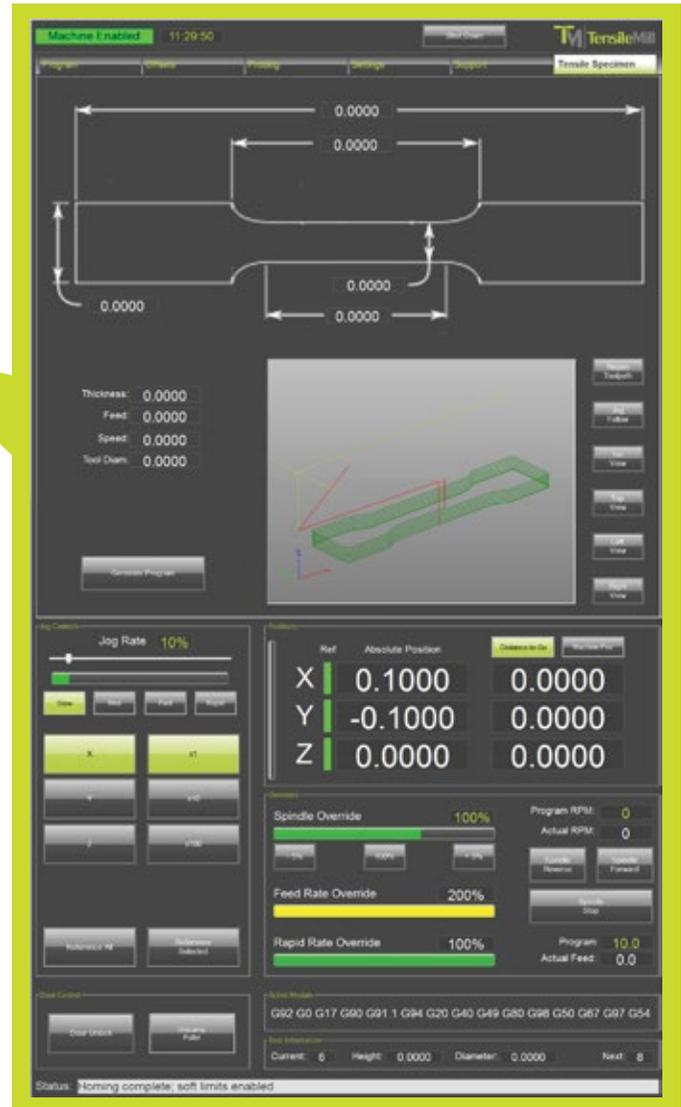
TensileMill CNC XL is a powerful and dynamic addition to any manufacturing floor. High powered spindle and servos increase material removal rates. Mach4 based CNC control and substantial memory make large, complex programs easy to load and execute. For smaller jobs, wizards make on machine programming fast and easy. Quickly create pockets, hole patterns, text engraving and more.

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 XL system includes updates at no additional cost.

Features

- Rugged cast iron frame and linear guide ways provide a stable foundation for high speed machining.
- Large 20 mm ball screws on X and Y, 25 mm on Z.
- Belt driven 5 horsepower 10,000 RPM servo spindle with BT30 taper provides the power for high material removal rates.
- Servo spindle with full synchronous position control. Disc spring tool clamping with collet style gripper. Air over hydraulic tool release.
- 10 station umbrella style automatic tool changer. Assign any tool to any position.
- 30 Taper CNC Machining Center
- Clean and simple control panel with large format touch screen, MPG and integrated status light.
- Mach4 control software is powerful and flexible. Integrated wizards for on machine programming. Fanuc G code compatible, Fanuc Macro B included
- Industrial PC loaded with a 64 GB solid state hard drive and 4 GB of RAM.
- Wireless and Bluetooth standard
- 5th generation 64 bit Broadwell processor



Technical Specifications TensileMill CNCh4

Dimensions (D x W x H)	66.1" x 75.79" x 86.54"
X Travel	15.75"
Y Travel	9.1"
Z Travel	15.75"
Table Size	31.5 x 10.24"
Load Capacity	330 lb
Weight (lbs)	2976
Speed	10,000 RPM
Power	5 hp
Input Voltage	220 3 phase
Type	PC based Mach4 control
Processor	64 bit 5th generation Intel Broadwell
Program storage	64 GB SSD, unlimited number of programs
Memory	4 GB standard (upgradable)
Display	Full color multi-touch (glove compatible)
Modes	Auto/MDI/Jog, auto switching
G code	Fanuc compatible, Mach3 compatible
Custom Macro	Fanuc Macro B compatible
External Communication	TCP Modbus