



**PERFECT SOLUTION FOR TENSILE  
AND ALL OTHER CNC MACHINING REQUIREMENTS**

#### **FEATURES**

- » 21.6" x 6.3" Table
- » Hiwin precision linear ways
- » 3000 to 24,000 rpm precision spindle
- » 220V 15A single-phase AC
- » ISO 20 Spindle Interface
- » High quality casting
- » Compact structure
- » PMI double nut ballscrews
- » High-quality electrical components
- » Automatic lubrication system
- » Axis bellows covers
- » Full enclosure
- » CE and CCC safety certification

📍 2220 Meridian Blvd., Suite #AF937, Minden, NV, 89423, USA

📍 11407 SW Amu St., Suite #AF937, Tualatin, OR, 97062, USA

☎ +1 (877) 672 2622

📞 775-981-9041

[www.tensilemillcnc.com](http://www.tensilemillcnc.com)

[support@tensilemillcnc.com](mailto:support@tensilemillcnc.com)



### General

With TensileMill CNC, it has never been easier to prepare high quality tensile specimens with ease. Our TensileMill CNC is operated by our powerful Carbon software with a user friendly tensile milling interface. The interface allows the operator to quickly and easily enter your desired tensile specimen size based on the parameters listed in your ASTM, ISO, DIN, JIS or other industry standard. By simply entering your required measurements, the machine is ready to mill in seconds.

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 measurements at all. With your new TensileMill CNC, you also have access to our standard Carbon software interface; our intuitive and powerful CNC control system with endless possibilities.

### 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.

### Specifications

TensileMill CNC is a small, high speed, machining center designed for the testing industry. Although small in size, our TensileMill CNC is built on a heavy cast iron frame and all axes slide smoothly on linear rails. 24,000 RPM ISO20 spindle and high powered servos provide excellent machining capability.

### Technical Specifications TensileMill CNCh4

X Travel	10.6"
Y Travel	6.3"
Z Travel	10.6"
Table Size X	21.65"
Table Size Y	6.3"
Face Mill Capacity	2"
Min Spindle Speed (RPM)	3000
Max Spindle Speed (RPM)	24000
Weight (lbs)	1200
Spindle Type	ISO 20
Motor Size (hp)	2 (1.5 kW)
Spindle Control	Yes
Flood Coolant Included	Yes
Homing Switched	Yes
Control System	CARBON CNC
Repeatability	0.0004"
Rapid Traverse Speeds	500 ipm
Screw type	Ball Screw
Backlash Compensation	Double - P5 class PMI