



SMALL FOOTPRINT

PERFECT FOR UNTRAINED CNC MACHINIST

TURNKEY SOLUTION

SUPER USER-FRIENDLY

ACCURATE AND REPEATABLE RESULTS

FREE PROOF OF CONCEPT

DESCRIPTION

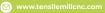
The newly enhanced TensileMill CNC MINI has quickly climbed through the ranks as the optimal tensile sample preparation system in the global market place. Since the recent upgrades, the MINI surpasses our Classic model by virtually all parameters. Due to the MINI's small footprint, this compact tensile sample preparation system is ideal for accommodating smaller space requirements.

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TensileMill CNC MINI

Compact Flat Tensile Specimen Preparation Machine (2022 Upgrade)

CENERAL

TensileMill CNC MINI - Compact Flat Tensile Test Sample Preparation is better than ever. Do not let the apparent "size" of the unit full you. This machine is specifically design for the ultimate flexibility in tensile specimen preparation as well as full CNC machining capabilities. Since the latest upgrades to the system, the MINI is now superior to our Classic model by virtually all parameters. You can now benefit from a smaller foot print, larger table size, higher power, and better precision & repeatability all for a lower price!

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SUPER USER-FRIENDLY

REE PROOF OF CONCEPT

It has never been easier to prepare high quality tensile specimens with ease. Our TensileMill CNC MINI comes standard with a 10" LCD screen equipped with our famous Tensile Software. The machine 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. Despite the small size of this machine, the standard 2.2kW (3hp) Water Cooling Spindle along with our designated tooling can prepare soft, hard and Inconel materials in large volumes.

CONTROLLER

Our easy to use touch screen controller can be upgraded to a complete Carbon software. The upgrade includes a 21" touch screen with 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

SPECIFICATIONS

TensileMill CNC MINI is a compact high speed, machining center designed for the testing industry in mind. Although small in size, TensileMill CNC MINI 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.





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	TECHNICAL SPI	ECIFICATIONS	
DIMENSIONS		MACHINE VOLUME	
Dimensions	44.5 x 42.00 x 70.0 in (10.0 x 1066 x 1779 mmn)	Loudest Volume at Point of Entry	70-
Working/TravelingArea	400mm x 400mm x 200mm (16:75 x 16:75 x 7:87 inch)		
Weight	1500/b (680/kg)	ADDITIONAL FEATURES	
T-Slot Size	12mm (0.472 inch)	Position Repeatability Accuracy	0.0
Unit Dimensions:	Closed Door (LxWxH) 1929×1092×1321mm (72×43×44 inch)	Max Engraving Speed	10,0
Unit Dimensions:	Open Door (LxWxH) 1829 x 1855 x 1321 mm (72 x 73 x 52 inch)	Motor Drive	Ser
Suggested Floor Dimensions	(LxWH) 200x2000mm(827x785inch)	Drive Mechanism	Pre
	200x2000mm(82.7x7824921)	Tool Shank	Up
		Frame	Cas
Rotating Speed of Spindle	24,000rpm	Connection Requirements	Pn
Spindle Motor Power	2.2 KW (3hp) Water Cooling		
Taper	spindle	OPTIONS:	
		TurnKey Package	Sta
SERVO		(1) .250° ER Collet	
Servo Power	0.54 hp (400 W)	(I) .250° Shank Endmill	
Servo Torque	566.0 oz-in (4.0 Nm)	(I) Custom Tensile Clamp	App 315 s
MaxFeedrate	500 ipm (12.7 m/min)	Fixture	Upt
POWER		NOTE:	
Input Voltage	220 V1 ph	TensileMill CNC MINI is undergoing do	
Total Power	3.3 kW (IS Amps)	improve safety standards and u	ser-frie
CONTROLLER			
Controlling Code	Tensile Soft - TensileMill Interface		
Full Carbon CNC Package	on 10° Touch Screen Control Upgrade Available		
Functional Package			