TMX SERIES

CNC Lathes for Performance Turning. »

The TMX CNC Lathes are true slant-bed lathes, with all-digital drives and motors on all-linear axes. With increased travels, more horsepower and torque, increased rigidity, faster rapids, faster acceleration/deceleration rates, and a programmable tailstock, the TMX CNC turning centers are built for rigorous cycles.

TMX8i

TMX10i

SERIES OVERVIEW

- Roller guideways on all axes:
  - Less friction at higher speeds
  - Easier and less expensive to replace than boxways
- Large ballscrews minimize friction.
- Strategic spacing between roller guideways for increased rigidity promotes:
  - Increased accuracy
  - Improved surface finish
- Bi-directional servo turret decreases tool index time.
- Fully programmable tailstock mounted on heavy-duty linear rails with live center – servo-driven.
- Spindle chiller standard, not an option.
- Chip conveyor standard, not an option.
- LCD remote jog standard, not an option.
- Oil skimmer standard, not an option.
- True 30-degree slant-bed casting design promotes:
  - Increased rigidity
  - Larger turning capacity
  - Efficient chip removal
- Robust control specifications (standard, not an option) – 4GB RAM Memory, 10,000 block lookahead, 128GB Solid State Hard Drive, 2.7GHz Dual Core Processor.
- Ergonomically-designed control console with 19" LCD touch-screen.
- WinMax® Mill Conversational and Industry Standard NC programming.
- Customer Favorite Lathe Control Features: Concurrent Programming, Recovery Restart, Estimated Run-Time, Advanced Verification Graphics.

SCAN HERE TO LEARN MORE

Hurco Companies, Inc. | One Technology Way | Indianapolis, IN 46268 | 800.634.2416 | info@hurco.com | HURCO.com
Machines shown with options. Specifications and information may change without notice. C000-B-T497

HURCO®

TMX SERIES

	SPECIFICATIONS	TMX8i	TMX10i
CAPACITY	DISTANCE BETWEEN CENTERS	29.7 in / 754 mm	33.54 in / 852 mm
	SWING OVER BED DIAMETER	25.2 in / 640 mm	25.2 in / 640 mm
	SWING OVER CROSS SLIDE DIAMETER	16.3 in / 415 mm	16.3 in / 415 mm
	MAXIMUM TURNING DIAMETER	14 in / 355 mm	16.3 in / 415 mm
	MAXIMUM TURNING LENGTH	21.1 in / 535 mm	24.94 in / 634 mm
	MAXIMUM BAR CAPACITY	2.5 in / 64 mm	3 in / 76 mm
TRAVEL	X-AXIS	8.0 in / 203 mm	9.15 in / 232.5 mm
	Z-AXIS	22 in / 560 mm	26 in / 660 mm
	Y-AXIS	–	–
	W-AXIS	25.2 in / 640 mm	29.1 in / 740 mm
SPINDLE	MAXIMUM SPEED	4,500 rpm	3,500 rpm
	SPINDLE POWER (30 MIN/CONTINUOUS)	31.11 hp (23.3 kW) / 22.26 hp (16.6 kW) @ 1058 rpm	31.11 hp (23.3 kW) / 22.26 hp (16.6 kW)
	SPINDLE TORQUE (30 MIN/CONTINUOUS)	154.4 ft. lbs (209.3 Nm) / 96.76 ft. lbs (131.2 Nm) @ 1208 rpm	218.74 ft. lbs (296.6 Nm) @ 747 rpm/ 137.08 ft. lbs (185.8 Nm) @ 853 rpm
	SPINDLE POWER	50.3 hp / 37.5 kW @ 1,000 rpm	50.3 hp / 37.5 kW @ 1,000 rpm
	SPINDLE NOSE	A2-6	A2-8
	CHUCK DIAMETER	8.27 in / 210 mm	10.24 in / 260 mm
TURRET	TOOL TYPE	Slotted Disc	Slotted Disc
	TOOL CAPACITY	12 stations	12 stations
	TOOL SHANK	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm
	MAXIMUM BORING BAR DIAMETER	1.5 in / 40 mm	1.5 in / 40 mm
FEEDRATE	RAPID TRAVERSE X-AXIS	1,181 in / 30 m per min	1,181 in / 30 m per min
	RAPID TRAVERSE Z-AXIS	1,181 in / 30 m per min	1,181 in / 30 m per min
	RAPID TRAVERSE Y-AXIS	–	–
	RAPID TRAVERSE W-AXIS	1,181 in / 30 m per min	1,181 in / 30 m per min
DIMENSIONS	MAXIMUM OPERATING FLOOR SPACE (W x D x H)	207.41 x 137.59 x 90.87 in. / 5,268 x 3,495 x 2,253 mm	207.57 x 137.17 x 90.87 in / 5,272 x 3,484 x 2,257 mm
	MACHINE WEIGHT	15,432 lb / 7,000 kg	13,420 lb / 6,100 kg

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