

CNC Lathes for Performance Turning. >>

The TMX and TMXMY/S Series are true slant-bed lathes with all-digital drives and motors on all-linear axes. Both lines are built for rigorous cycles thanks to increased travels, horsepower, torque and rigidity, and faster rapids and acceleration/deceleration rates. TMXMY/S lathes feature live tooling with a Y-axis that allows you to machine a pocket with straight walls and flat bottoms or perform off-center machining operations with just a click of a box.

TMX8i



TMX10i



TMX8MYi



TMX10MYi



TMX8MYSi



TMX10MYSi



SERIES OVERVIEW

- » Roller guideways on all axes:
 - » Less friction at higher speeds
 - » Easier and less expensive to replace than boxways
- » More Y-axis travel than competitive models (4.4 inches)*.
- » 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.

*Y-Axis not applicable to TMX8i and TMX10i



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LEARN MORE ABOUT TMX LATHES**



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SPECIFICATIONS		TMX8i	TMX10i	TMX8MYi	TMX10MYi	TMX8MYSi	TMX10MYSi
CAPACITY	DISTANCE BETWEEN CENTERS	29.7 in / 754 mm	33.54 in / 852 mm	29.7 in / 754 mm	33.6 in / 854 mm	29.7 in / 754 mm	32.5 in / 825.5 mm
	SWING OVER BED DIAMETER	25.2 in / 640 mm	25.2 in / 640 mm	20 in / 508 mm	22 in / 560 mm	20 in / 508 mm	22 in / 560 mm
	SWING OVER CROSS SLIDE DIAMETER	16.3 in / 415 mm	16.3 in / 415 mm	20 in / 508 mm	22 in / 560 mm	20 in / 508 mm	22 in / 560 mm
	MAXIMUM TURNING DIAMETER	14 in / 355 mm	16.3 in / 415 mm	10.9 in / 336 mm	12.4 in / 315 mm	10.9 in / 277 mm	12.4 in / 315 mm
	MAXIMUM TURNING LENGTH	21.1 in / 535 mm	24.94 in / 634 mm	20.7 in / 527 mm	24.7 in / 627 mm	20.7 in / 527 mm	24.7 in / 627 mm
	MAXIMUM BAR CAPACITY	2.5 in / 64 mm	3 in / 76 mm	2.5 in / 64 mm	3 in / 76 mm	2.5 in / 64 mm	3 in / 76 mm
TRAVEL	X-AXIS	8.0 in / 203 mm	9.15 in / 232.5 mm	11.24 in / 286 mm	12.0 in / 305 mm	11.24 in / 285 mm	12.0 in / 305 mm
	Z-AXIS	22 in / 560 mm	26 in / 660 mm	22 in / 560 mm	26.38 in / 670 mm	22 in / 560 mm	26.38 in / 670 mm
	Y-AXIS	—	—	+/- 2.2 in / 55 mm	+/- 2.2 in / 55 mm	+/- 2.2 in / 55 mm	+/- 2.16 in / 55 mm
	W-AXIS	25.2 in / 640 mm	29.1 in / 740 mm	25.2 in / 640 mm	29.1 in / 740 mm	25.2 in / 640 mm	29.1 in / 740 mm
MAIN SPINDLE	MAXIMUM SPEED	4,500 rpm	3,500 rpm	4,500 rpm	3,500 rpm	4,500 rpm	3,500 rpm
	SPINDLE POWER	50.3 hp [37.5 kW] / 22.26 hp [16.6 kW] @ 1058 rpm	50.3 hp [37.5 kW] / 22.26 hp [16.6 kW]	33.5 hp [25 kW] / 23.1 hp [16.6 kW]	37.6 hp [28 kW] / 32.2 hp [24 kW]	33.5 hp [25 kW] / 23.1 hp [17.2 kW]	37.6 hp [28 kW] / 32.2 hp [24 kW]
	SPINDLE TORQUE	154.4 ft. lbs [209.3 Nm] / 96.76 ft. lbs [131.2 Nm] @ 1208 rpm	218.74 ft. lbs [296.6Nm] @ 747 rpm/ 137.08 ft. lbs [185.8Nm] @ 853rpm	176.1 ft. lbs [238.7 Nm] / 121.2 ft. lbs [164.2 Nm]	197 ft. lbs [267.4 Nm] / 169.1 ft. lbs [229.2 Nm]	176.1 ft. lbs [238.7 Nm] / 121.2 ft. lbs [164.2 Nm]	197 ft. lbs [267.4 Nm] / 169.1 ft. lbs [229.2 Nm]
	SPINDLE NOSE	A2-6	A2-8	A2-6	A2-8	A2-6	A2-8
	CHUCK DIAMETER	8.27 in / 210 mm	10.24 in / 260 mm	8.27 in / 210 mm	10.0 in / 254 mm	8.27 in / 210 mm	10 in / 254 mm
TURRET	TOOL TYPE	Slotted Disc	Slotted Disc	BMT65 / DIN 1809	BMT65 / DIN 1809	BMT65 / DIN 1809	BMT65 / DIN 1809
	TOOL CAPACITY	12 stations	12 stations	12 stations	12 stations	12 stations	12 stations
	TOOL SHANK	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm	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	1.5 in / 40 mm	1.5 in / 40 mm	1.5 in / 40 mm	1.5 in / 40 mm
SUB SPINDLE	MAXIMUM SPEED	—	—	—	—	6,000 rpm	6,000 rpm
	MAXIMUM TORQUE	—	—	—	—	20.1 hp / 15 kW @ 1,390 rpm	20.1 hp / 15 kW @ 1,390 rpm
	SPINDLE POWER	—	—	—	—	75.4 ft. lbs / 102.2 Nm	75.4 ft. lbs / 102.2 Nm
LIVE SPINDLE	MAXIMUM SPEED	—	—	5,000 rpm	5,000 rpm	5,000 rpm	5,000 rpm
	MAXIMUM TORQUE	—	—	8.5 hp / 6.4 kW @ 2,190 rpm	8.5 hp / 6.4 kW @ 2,190 rpm	8.5 hp / 6.4 kW @ 2,190 rpm	8.5 hp / 6.4 kW @ 2,190 rpm
	SPINDLE POWER	—	—	20.4 ft. lbs / 27.6 Nm	20.4 ft. lbs / 27.6 Nm	20.4 ft. lbs / 27.6 Nm	20.4 ft. lbs / 27.6 Nm
FEEDRATE	RAPID TRAVERSE X-AXIS	1,181 in / 30 m per min	1,181 in / 30 m per min	945 in / 24 m per min	945 in / 24 m per min	945 in / 24 m per min	945 in / 24 m per min
	RAPID TRAVERSE Z-AXIS	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min
	RAPID TRAVERSE Y-AXIS	—	—	472 in / 12 m per min	472 in / 12 m per min	472 in / 12 m per min	472 in / 12 m per min
	RAPID TRAVERSE W-AXIS	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min
SIZE	MAXIMUM OPERATING FLOOR SPACE (W x D x H) (WITH SIDE DOORS OPEN)	207.41x137.59x90.87 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	211.34 x 137.56 x 105.24 in / 5,368 x 3,494 x 2,552 mm	211.27 x 137.48 x 105.24 in / 5,366 x 3,492 x 2,552 mm	217.29 x 137.56 x 105.24 in / 5,368 x 3,494 x 2,552 mm	211.27 x 137.48 x 105.24 in. / 5,366 x 3,492 x 2,552 mm
	MACHINE WEIGHT	15,432 lb / 7,000 kg	15,873 lb / 7,200 kg	16,500 lb / 7,500 kg	15,984 lb / 7,250 kg	16,500 lbs / 7,500 kg	16,976 lb / 7,700 kg