

HURCO
IN CONTROL

TM
SERIES

The only lathes with Hurco's control.

Hurco's new turning centers aren't your standard, run-of-the-mill lathes. These are powered by Hurco's control, making them uniquely flexible for a wide range of applications.

The TM Series is Hurco's new line of CNC slant-bed turning centers that start at \$39,900. The lathes have been specifically designed for job shops and contract manufacturers who need efficient processing of small to medium sized lots.

The TM lathe is designed to be fast – to save valuable time. The fast turret keeps cycle times short, yet is easy to access for faster tool setups. Program on the shop floor with Hurco's patented conversational programming for fast turnaround work or download files from CAM stations to run with Hurco's innovative NC language. And there are a wide variety of productivity options for the turning center: tailstock, chip management, tool setter, parts catcher and bar feeder.



TM6
6" chuck
10" max cut diameter



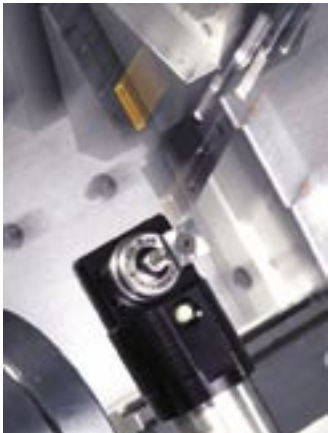
TM8
8" chuck
12" max cut diameter



TM10
10" chuck
14" max cut diameter

Best in class features

- Has the *smallest footprint* in the industry when compared to similar capacity lathes.
- The TM Series is the most reasonably priced in its class. The TM6 has a *base price of \$39,900*.
- The only lathe that accepts both *Hurco's conversational and NC programming*.
- Options and accessories are easily "*plug and play*," so they can be added to the lathes at any time. Buy only the options you need at the beginning and then select options as needs change.
- Hurco products are UL, CSA, NFPA 79 independently certified, with CE certification optional.



TM Features / Options

Oversized, double nut ball screws
 Automatic central lubrication system
 Latest AC servo motor and drive technology
 Heavy duty linear rails on both axes
 Heavy duty cartridge spindle design
 Up to 2.0 GB Hard Drive
 Up to 256MB RAM
 64 Bit Chip Set Technology
 3.5" Disc Drive
 USB Port
 Pre-wired integrated network
 Dual (2) RS-232 Ports
 Text Input Capabilities
 Multi Processor DSP Motion Control System
 Constant Surface Speed
 Wire Frame Graphics
 Solid one piece fine-grain cast iron bed
 Shortest path tool turret indexing or direction selectable
 A2-8 spindle nose
 Enclosure Door Opening of 27"
 Full enclosure splash guards
 Seamless way covers
 Oversized side access doors on both sides of enclosure
 Work end signal light
 Adjustable halogen work light
 Leveling pads
 Power Cabinet Heat Exchanger
 E-Stop Button on Control Head
 Auto Position Tool Pre-Setter.
 Tailstock
 Programmable hydraulic quill
 Parts Catcher Assembly
 Collet Chuck (size B-90)
 Hurco Bar Feeder
 Hard Jaws

Software

Conversational turning programming
 NC (G-Code) programming
 DXF Translator
 NC Productivity Package
 UtiNet LAN Interface

Hurco's new turning centers make everything quick and easy.

A 30-year commitment to short-run efficiency in milling is now being applied to turning operations. By combining productive machine specifications with Hurco's powerful and flexible Max CNC control, the TM Series of lathes transforms short-run turning operations into profit centers.

Whether its direct programming at the control with Hurco's conversational programming, direct conversion of CAD part data at the control with optional DXF file transfer software, or downloading programs generated offline, the Hurco lathe will add a new level of productivity to any shop.

Hurco's conversational programming approach is the key. The two parts shown here were



programmed, set up and machined in less than 30 minutes on the Hurco turning center (the first on the TM6 and the second on the TM10). That kind of high-speed, high-quality productivity greatly impacts any shop's ability to respond to customer needs.



The first part consists of 10 profile elements and the second has 18. With Hurco's exclusive conversational programming, the operator simply inputs the various profile dimensions and the control does the rest. It calculates all the intersection points, even for blend arcs and chamfers. It calculates feeds and speeds based on tooling selected. Automatic Constant Surface Speed calculation insures exceptional surface finishes, and the automatic roughing and finish cycles optimize material removal.

With state of the art graphics and program displays, Hurco's lathe control is easy to learn and easy to use, yet has the power to do all the 2 axis ID and OD work expected of a production CNC lathe. With pop-up menus and the use of simple graphics, tool setup is easy and foolproof. Various turning processes are easy to select and control. When coupled with high resolution verification graphics, you're in complete control of the process.

The Hurco lathes simply are unlike any other. Using essentially the same control Hurco machining centers have had for decades, the TM Series of turning centers are completely unique. They're also unique in their ability to increase the productivity and efficiency of any shop.

	TM6	TM8	TM10
X, Z Axis Travel (inches)	7 x 14	8 x 20	9 x 22
Swing Over Cross Slide (inches)	10	10	14
Distance Between Centers (inches)	13.5	23.5	20.2
Max Cutting Diameter (inches)	10	12	14
Max Cutting Length (inches)	12.8	18.8	19.3
Bar Capacity (inches)	1.77	2.0	2.97
Max Spindle Speed (rpm)	6,000	4,800	3,000
Peak Spindle Motor (hp)	15	19	25
Max Spindle Motor Torque (Fft lbs @ rpm)	72 @ 1090	114 @ 873	230 @ 572
Rapid Traverse X, Z Axis (ipm)	750 / 945	750 / 945	750 / 945
Tool Shank	3/4" Square	1" Square	1" Square
Number Of Tools Standard	12	10	12
3 Jaw Chuck (inches)	6	8	10
Turret Index Time - Adjacent	0.5 Sec	0.5 Sec	0.5 Sec
Positioning (inches)	0.0002	0.0002	0.0002
Repeatability (inches)	0.0001	0.0001	0.0001

More product information and specifications can be found at www.hurco.com. Prices and information may change without notice.