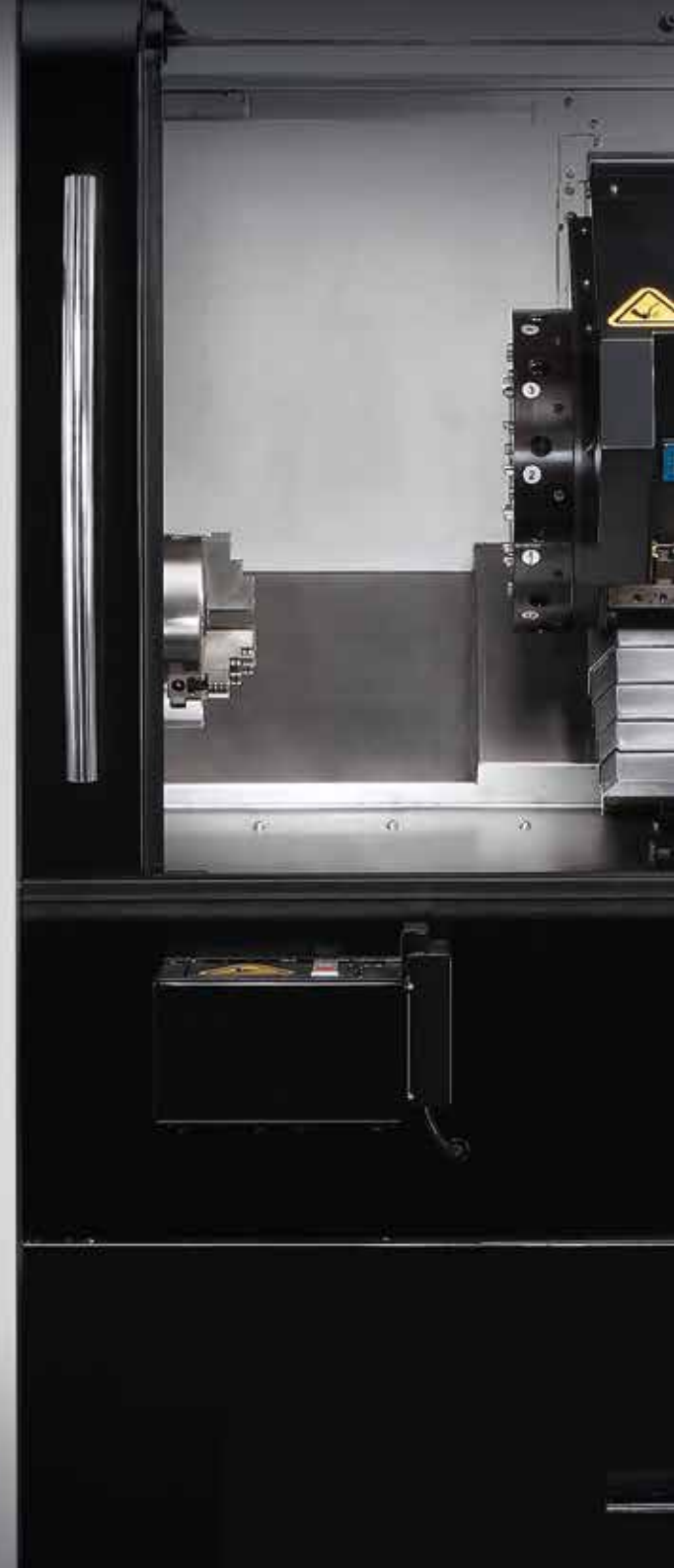




Turning centers

Mill Turn | Lathes

With the **most powerful** control in industry:
SingleMax®



TMi

General purpose- and
heavy duty-lathes

- > TM 6 i
- > TM 8 i
- > TM 10 i
- > TM 12 i
- > TM 18 i
- > TM 18 Li



Benefits of the TMi-series

TMi-series: The small set-up, the large work space, the efficient management of our chips CNC slant bed lathes series of TMi enable profitable small series production.

The lathes of TMi Series were designed for universal turning applications and offer an uncomplicated transition from manual turning.

Design and construction: The stiff, made in monoblock style, machine bed design has best static and dynamic performance and excellent cushioning properties with high thermal deformation- and torsion strength. The running box-section cross slide provides torsional rigidity and stability during high loads in the revolver cycle. We use particularly wide linear guides, which are dimensioned that they support the cross slide in an optimal way.

Hydraulic turret: The VDI turret is designed for fast and accurate tool changes. Tool holders for any combination of internal or external turning tool can be used. The large HIRTH serration on the turret ensures that this is certainly connected in position.

Machine Capacity: The ability to machine workpieces with large turning diameter and large rotation length, a wide range of workpiece sizes, and applications are covered.

	TM 6 i	TM 8 i	TM 10 i	TM 12 i	TM 18 i with gear shifting	TM 18 Li with gear shifting
Workingspace						
max. cutting diameter (mm)	215	256	295	510	594	594
max. cutting length (mm)	318	458	694	974	967	1.983
Chuck diameter (mm)	150	200	250	300	456	456
Bar Capacity (mm)	45	52	78	106	162	162
Travels						
X-Axis (mm)	170	203	250	300	430	430
Z-Axis (mm)	356	508	750	1.015	1.015	2.030
W-axis (mm)	–	–	–	–	1.015	2.030
Feeds						
X/Z/W-Axis (m/min)	19 / 24 / –	19 / 24 / –	19 / 24 / –	19 / 24 / –	20 / 20 / 2,4	20 / 20 / 2,4
Spindlemotor						
Spindlepower (KW)	13	16	22	55	55	55
Torque (Nm)	113	180	352	606	2.400 / 600	2.400 / 600
Spindle						
Spindlespeed max. (rpm.)	6.000	4.800	3.000	2.800	600 / 1.600	600 / 1.600
Turret						
Type	VDI 20	VDI 30	VDI 40	VDI 40	VDI 50	VDI 50
Number stations	12	12	12	12	12	12
Tool changing time (sec.)	0,5	0,5	0,5	0,8	1,5	1,5
Further details						
Machineweight (kg)	3.200	3.950	5.000	6.700	11.500	13.700

further information

www.hurco.eu

Further information and technical data on the product, see www.hurco.eu.
Machines shown with options. Prices and information may change without notice.

TMMi

Multi axis CNC-lathes

- > TMM 8 i
- > TMM 10 i
- > TMM 12 i



The multi axis CNC lathes of TMMi series are designed as slant bed lathes with driven tools and C-axis. They are ideally suited for the production of small to medium lots which require a profitable turning machining with subsequent mill- / drilling operations. You save time because only one clamping process takes place, and suffer no loss of accuracy due to lashing.

Design and construction: The basis is a certified Meehanite®-cast structure with excellent damping characteristics for maximum thermal deformation and torsion strength. This robust tool includes very large running Z-axis linear guides, which are dimensioned such that they support the cross slide in an optimal way. A wide saddle contributes further to the high rigidity of the machine. Ultimately all these design features give TMXi series maximum static and dynamic stiffness.

Servo Turret: Fast Duplomatic servo turret with 12 tool stations allows quick and precise shifts. Tool holders for any combination of internal and external turning tool can be used.

Thermal Insulation: As heat is enemy of machine tools, our lathes of TMXi series are designed with heat resistant insulation by heat-generating components and integrating a spindle cooler.

Machine Capacity: The ability to machine workpieces with large turning diameter and large rotation length, a wide range of workpiece sizes and applications is covered.

further information

www.hurco.eu

	TMM 8 i	TMM 10 i	TMM 12 i
Workingspace			
max. cutting diameter (mm)	256	295	360
max. cutting length (mm)	455	700	937
Chuck diameter (mm)	200	250	305
Bar Capacity (mm)	52	78	106
Travels			
X-Axis (mm)	198	250	305
Z-Axis (mm)	508	750	1.016
Feeds			
X/Z-Axis (m/min)	19 / 24	19 / 24	19 / 24
Spindlemotor			
Spindlepower (KW)	13	18	18
Torque (Nm)	350	474	452
Spindle			
Spindlespeed max. (rpm.)	4.800	3.000	2.800
Turret			
Type	VDI 30	VDI 40	VDI 40
Number stations	12	12	12
Tool changing time (sec.)	0,23	0,31	0,45
Further details			
Machineweight (kg)	4.000	5.000	7.600

Further information and technical data on the product, see www.hurco.eu.
Machines shown with options. Prices and information may change without notice.

SingleMax[®]

All in one:

No other control gets you
from print to part faster

- > faster from drawing to finished part
- > shortest learning curve
- > fastest programming
- > intuitive operation
- > ergonomically designed



Sketch



Drawing



CAD / CAM



Desktop



DXF File



SingleMax®: Faster from the drawing to the finished part

- > Interactive Touch Screen for dialogue and NC programming
- > Program Management: User-centric archiving, by attached images and text search programs extremely relieved.
- > Interactive Touch Screen for graphical representation. The workpiece can be viewed from any angle. significant representation of tool path and part geometry, automatic scale the workpiece size, representation of all views.
- > Ergonomic data entry. Fewer buttons, easier to operation
- > Rotating control panel
- > Graphical editing program. Fast editing program. Use the search function set. Increases accuracy and allows rapid changes to the program.
- > Feed and speed potentiometer. Influence of spindle speed, feed and rapid traverse over Pot.
- > Probe for tool measurement tool.
- > Workpiece zero points. There are 99 workpiece zero points for the programming.
- > 3D simulation *. Even before the processing, tool movement can be controlled in real time 3D simulation.
- > Fault diagnosis. All programs, tools and program parameter errors are already displayed in real time simulation.
- > Tailstock. On basis of M functions the spindle can be driven in or retracted in the program.
- > Bar feeder or bar puller *. A comfortable dialog-cycle is available.

* optional

further information

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