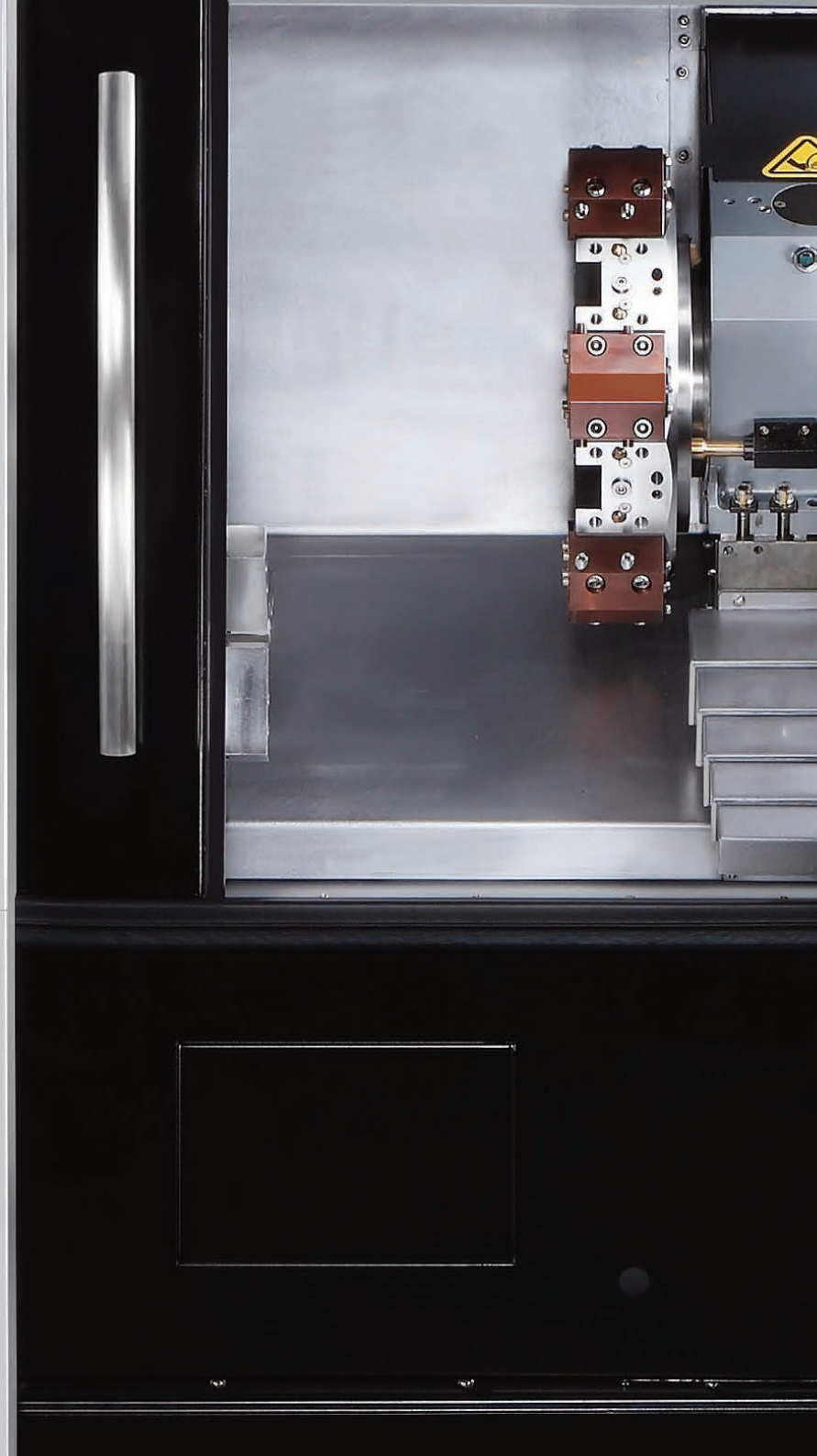




Turning Centres

MAX 5

From print to
part to profit



TMi and TMXi

General purpose, heavy
duty and high performance
2 axis lathes

- > TM6i
- > TM8i
- > TM10i
- > TMX8i
- > TM12i
- > TM18i
- > TM18Li
- > TMX10i



Benefits of the TMi Series

TMi Series – Quick job set-up, easy programming, large workspace and efficient chip management make the TMi series of slant-bed lathes ideal for small-batch production.

Design and Construction – A true 30° slant-bed cast design promotes larger turning capacity and more efficient swarf removal. Extra wide linear guide ways are strategically spaced to provide excellent support to the cross slide. This additional stability provides greater component accuracy and improved surface finish.

Hydraulic Turret – Available on all models as slotted turret, or VDI. The hydraulic system is fast, precise, reliable and very rigid in construction.

Tailstock – Programmable quill and druggable via turret hitch on all models.

Benefits of the TMXi Series

TMXi Series – More horsepower, more torque, larger travels, faster rapids, faster acceleration and deceleration. This range of CNC turning centres is higher in specification and therefore more suited to a demanding production environment. The programmable tailstock gives greater flexibility for workpiece support. Larger, wide-spaced slideways allow for heavy duty cycles whilst maintaining outstanding accuracy and surface finish.

	TM6i	TM8i	TM10i	TM12i	TM18i	TM18Li	TMX8i	TMX10i
Working space								
Max.cutting diameter (mm)	316/215 VDI	356/256 VDI	450/295 VDI	510/395 VDI	635/594 VDI	635/ 594 VDI	355	415
Max.cutting length (mm)	340/318 VDI	446/458 VDI	720/694 VDI	1,000/974 VDI	1,001/ 967 VDI	2017/ 1,983 VDI	535	635
Chuck diameter (mm)	152	203	254	305	456 (option)	456 (option)	203 (option)	254 (option)
Bar Capacity (mm)	45	52	77	102	162	162	64	77
Travels								
X-Axis (mm)	178	203	250	305	432	432	203	232
Z-Axis (mm)	356	508	750	1,016	1,016	2,032	560	660
W-Axis (mm)	-	-	-	-	1,016	2,030	640	740
Feeds								
X/Z/W –Axis (m/min)	19/24/-	19/24/-	19/24/-	19/24/-	20/20/2.4	20/20/2.4	24/30/30	24/30/30
Spindle Motor								
Spindle power (KW) Max	13	16	22	55	55	55	28	28
Torque (Nm) Max @ (rpm)	113@1,090	180@870	352@600	606@870	N/A	N/A	241@1,100	350@759
Low Gear Torque Max	N/A	N/A	N/A	N/A	2,400@217	2,400@217	N/A	N/A
High Gear Torque Max	N/A	N/A	N/A	N/A	600@870	600@870	N/A	N/A
Spindle								
Spindle Speed Max. (rpm)	6,000	4,800	3,000	2,800	600/1,600	600/1,600	4,500	3,500
Turret								
Type	Slotted Disc / VDI 20 option	Slotted Disc / VDI 30 option	Slotted Disc / VDI 40 option	Slotted Disc / VDI 40 option	Slotted Disc / VDI 50 option	Slotted Disc / VDI 50 option	Slotted Disc	Slotted Disc
Number stations	12	10/12 VDI	12	12	12	12	12	12
Tool index time/adjacent (sec)	0.5	0.5	0.5	0.8	1.5	1.5	0.12	0.12
Further details								
Machine weight (kg)	3,200	3,950	5,000	6,700	11,500	13,700	5,900	6,100

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

TMMi

3 axis CNC lathes

- > TMM8i
- > TMM10i

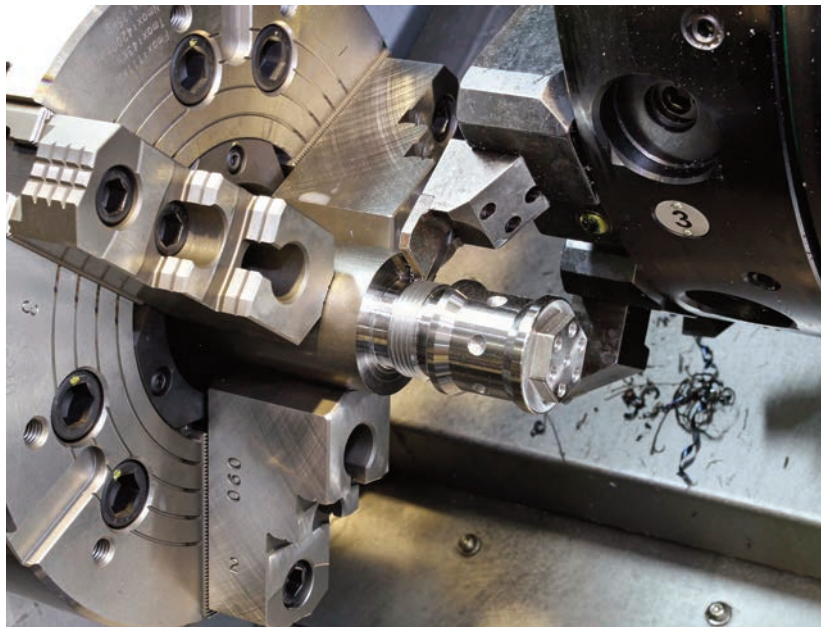


Benefits of the TMMi Series

TMMi Series Lathes – Ideal for off-centre drilling and simple milling operations on a turned part. The Max 5 control allows quick and easy programming, whilst the VDI tooling ensures a rapid set-up and quick turnaround for small batch production.

Design and Construction – The Meehanite cast structure has excellent characteristics for damping and torsional strength. The wide saddle and oversized rails provide maximum static and dynamic stiffness.

Servo Turret – All TMMi Lathes are fitted as standard with a fast, servo-driven, 12 station Duplomatic turret. VDI toolholders allow quick changes and excellent repeatability.



	TMM8i	TMM10i
Working space		
Max.cutting diameter (mm)	256	295
Max.cutting length (mm)	455	700
Chuck diameter (mm)	203	254
Bar Capacity (mm)	52	77
Travels		
X-Axis (mm)	198	250
Z-Axis (mm)	508	750
Feeds		
X/Z –Axis (m/min)	19/24	19/24
Spindle Motor		
Spindle power (KW)	13	18
Torque (Nm) Max @ (rpm)	350@359	474@360
Spindle		
Spindle Speed max. (rpm)	4,800	3,000
Turret		
Type	VDI 30	VDI 40
Number stations	12	12
Tool index time/adjacent (sec)	0.23	0.31
Driven tool speed (rpm)	1,500-5,000	1,500-4,000
Driven tool peak power (Kw)	4.44	6.6
Driven tool peak torque (Nm)	28.5	42
Further details		
Machine weight (kg)	4,000	5,000

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

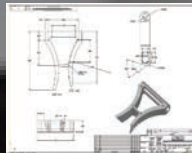
Max 5

Lathe control

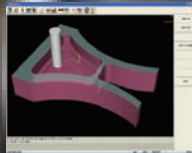
- > faster from drawing to finished part
- > shortest learning curve
- > fastest programming
- > intuitive operation
- > ergonomically designed



Sketch



Drawing



CAD/CAM



Desktop



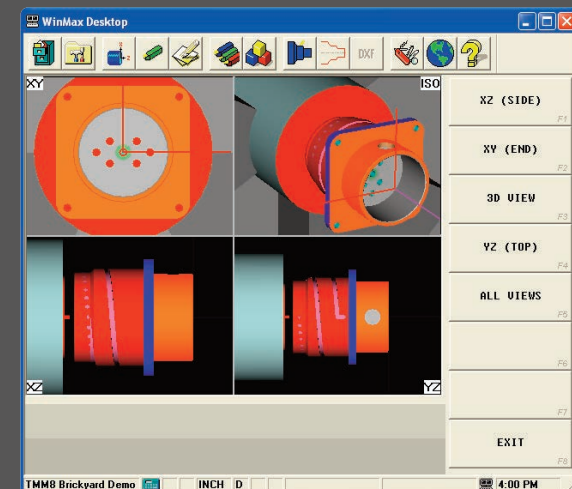
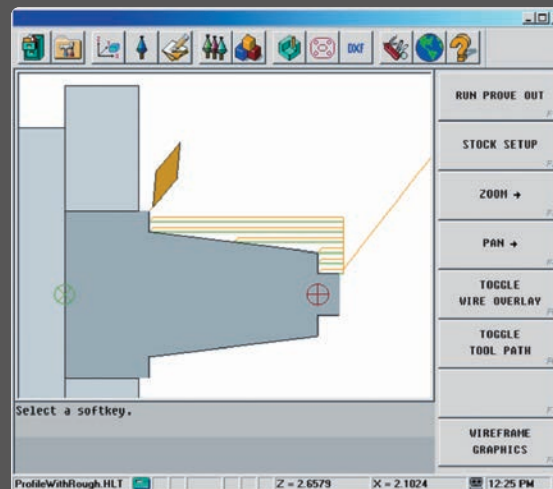
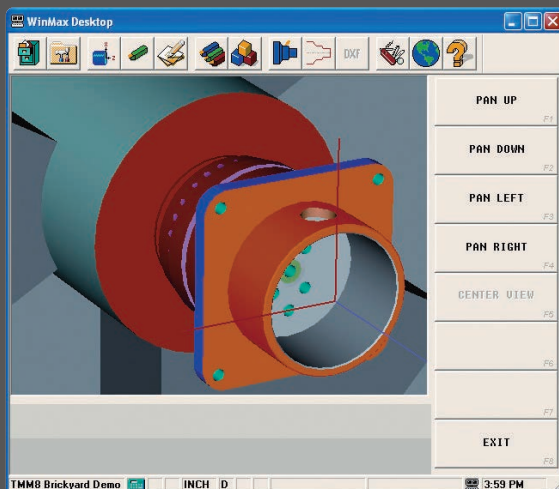
DXF File



Max 5 Lathe Control

Faster from the drawing to the finished part

- > Interactive Touch Screen for conversational and NC programming.
- > Program Management: User-centric archiving, by attached images and text search.
- > Interactive Touch Screen for graphical representation. The workpiece can be viewed from any angle. significant representation of tool path and part geometry, scaling workpiece size, representation of all views.
- > Ergonomic data entry. Fewer buttons, easier to operate.
- > Adjustable ergonomically designed control panel.
- > Graphical program editing, fast program editing. Use the search function. Increases accuracy and allows rapid changes to the program.
- > Feed and speed override potentiometer. Transfer optimised feeds and speeds directly into the program.
- > Tool probing is a standard feature.
- > 99 workpiece offsets.
- > 3D simulation. Before running the program, tool movement can be tracked in real time 3D simulation.
- > Fault diagnosis. All programs, tools and program parameter errors are displayed.
- > Tailstock. Using M codes the quill can be driven or retracted within the program.
- > Bar feeder or bar puller options available. Easy to use conversational cycles are supplied.



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