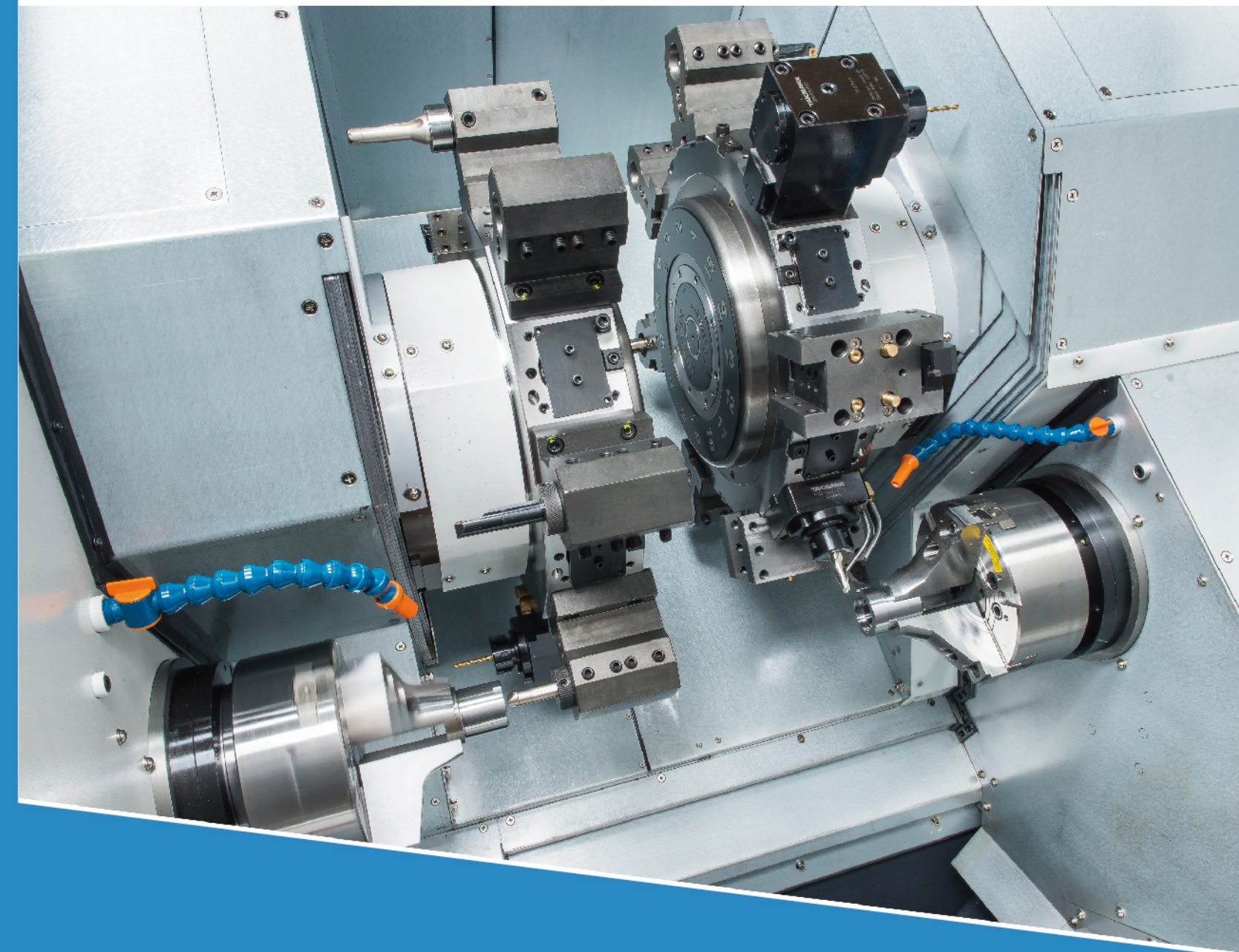


MX-800

TWIN TURRET | TWIN SPINDLE
Fully intelligent complex turning-milling CNC lathe



More

www.takisawa.com.tw

Taiwan TAKISAWA Technology Co., Ltd.

No.505, Sec. 3, Yenping Rd., Pingchen Dist.,
Taoyuan City 324, Taiwan.
TEL : +886-3-4643166 FAX : +886-3-4642614

No.89, Sec. 1, Meishi Rd., Yangmei Dist.,
Taoyuan City 326, Taiwan.
TEL : +886-3-4813119 FAX : +886-3-4813185
E-mail : callcenter@takisawa.com.tw

Takisawa Tech Corp.

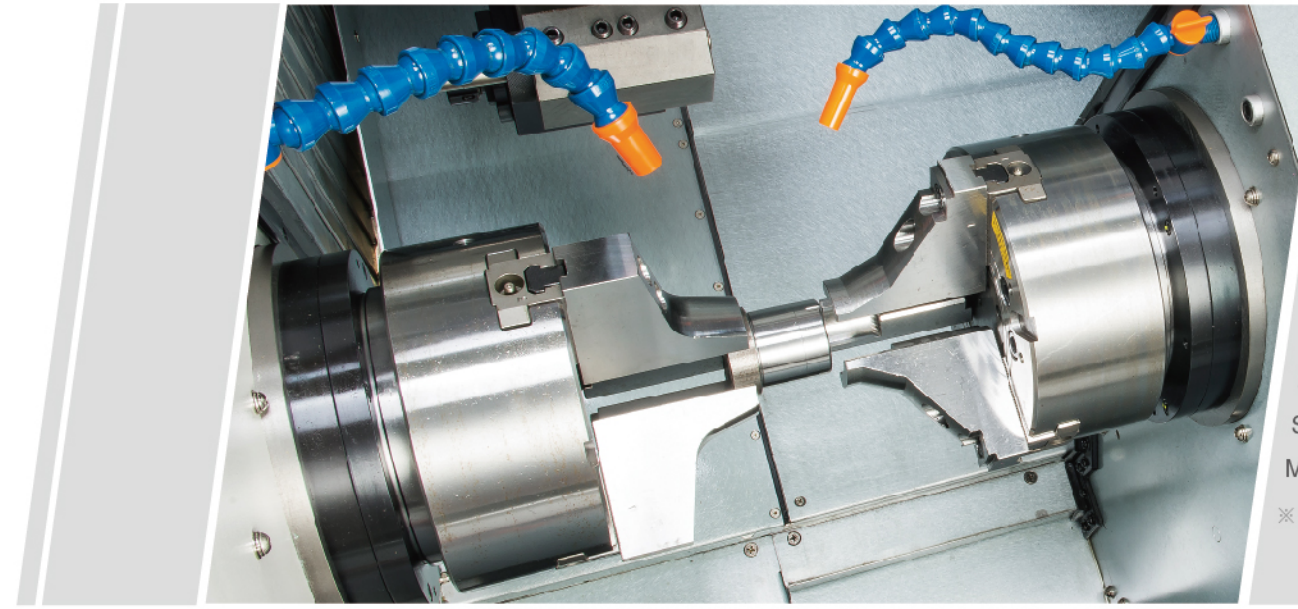
1500 S. Milliken Avenue, #B, Ontario, CA 91761.USA
TEL : (909)218-4466 FAX : (909)218-4981

TAKISAWA[®]
TAIWAN

Distributor



MX-800 Series



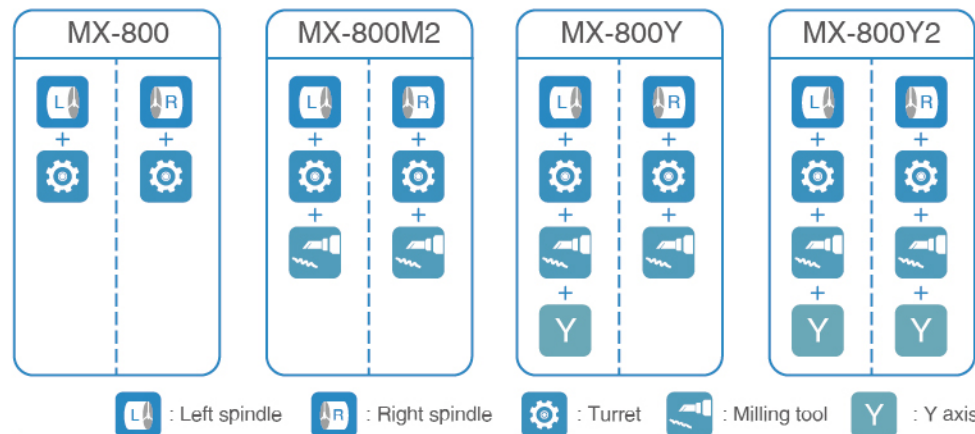
Specifications

- Max. turning length : 9.8inch
- Max. turning dia. : 12.2inch
- Max. bar work capacity : 2(2.6)inch
- Bearing diameter : 3.9(4.3)inch
- Spindle speed : 4000(3500)rpm
- Spindle drive motor : 20/15(25/20)HP
- Max. spindle torque : 138.5(178.1)lb.ft

※ Specifications are subject to change without notice.

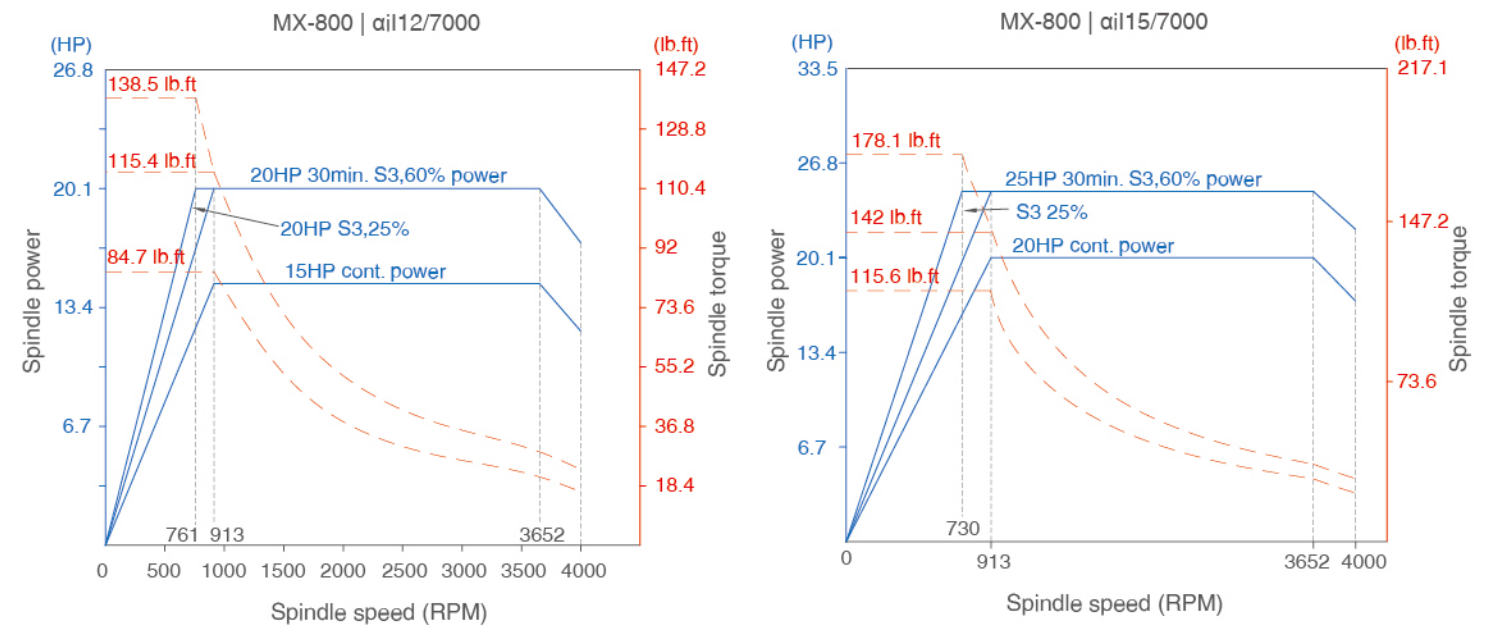
Equipped with twin turrets and twin spindles this is a multi-tasking fully intelligent turning-milling CNC lathe for complex machining.

- Opposed left and right spindles and turrets allow independent machining by each spindle/turret system with interchange between the systems to reduce cycle times for highly complex machining.
- The compact working area with twin machining stations is designed for flexibility and fast component transfer for highly cost effective machining.
- Full roller guideways allow higher speeds that shorten cycle times to enhance capability for mass production.
- Increased distance between linear guideways on each axis improves rigidity and stability for highly accurate machining.
- The gantry loading option allows high speed mass production with minimal operator intervention.
- The MX-800 Series includes the following models:



Spindle output diagram

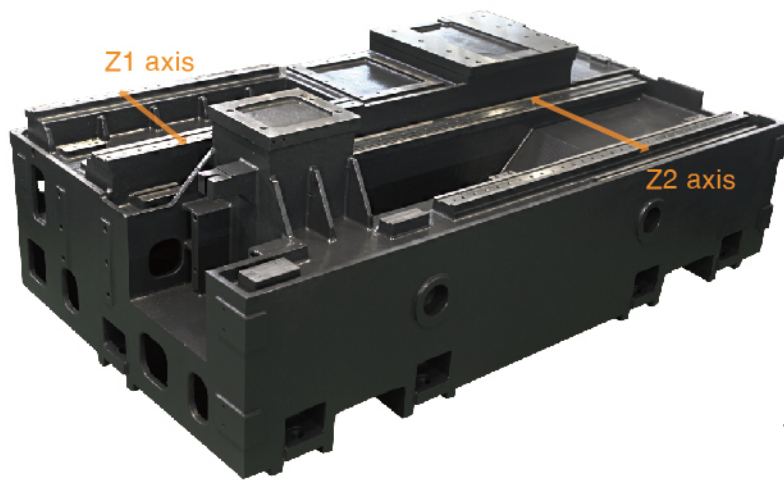
Powered by FANUC MOTOR for high stability & high accuracy.



CNC MX-800

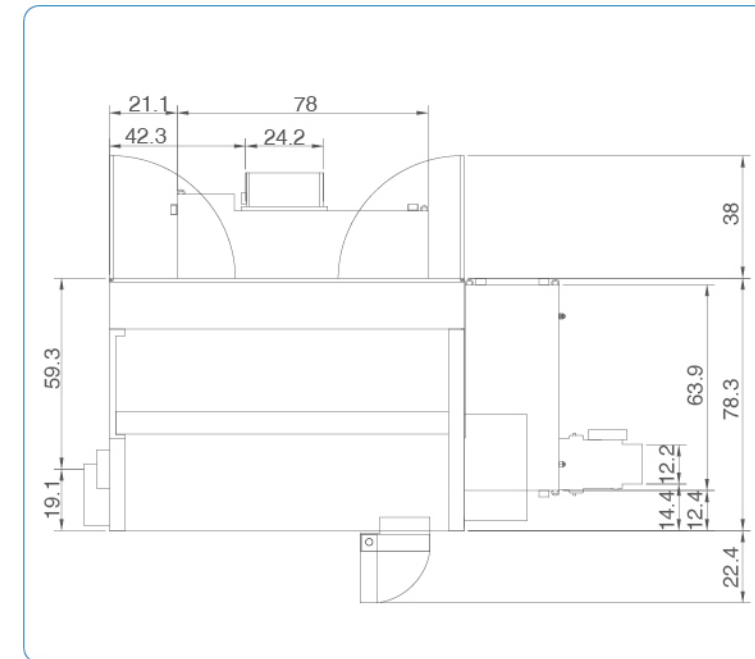
Increased distance between guide rails.
The extra heavy duty bed casting and its solid design structure ensures highly accurate and stable machining.

✓ Z axis guideway spacing is **25%** greater than already rigid older models.



The latest grease lubrication system allows reductions of 80% in grease usage. The frequency of coolant replacement is also reduced.

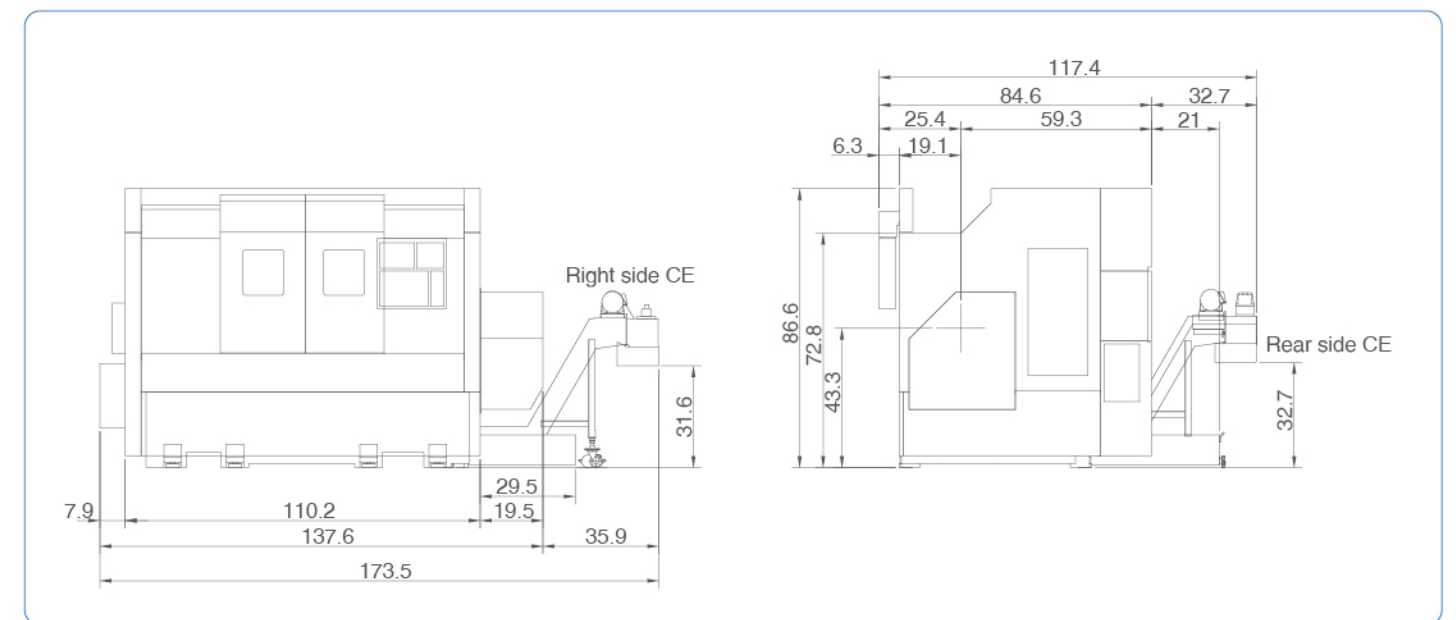
Machine dimensions



Top



The control panel is user friendly with swing arm and movable on a guide rail for convenient positioning.

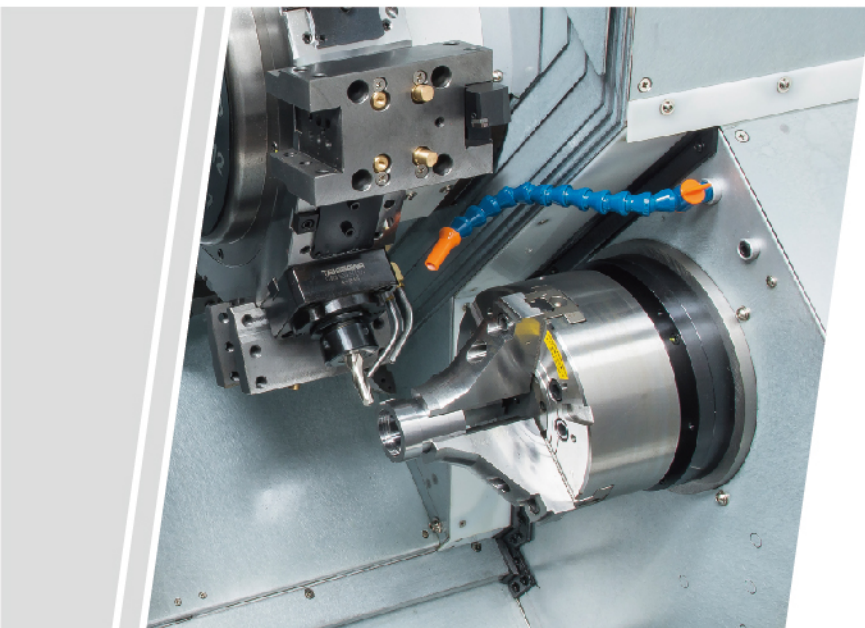
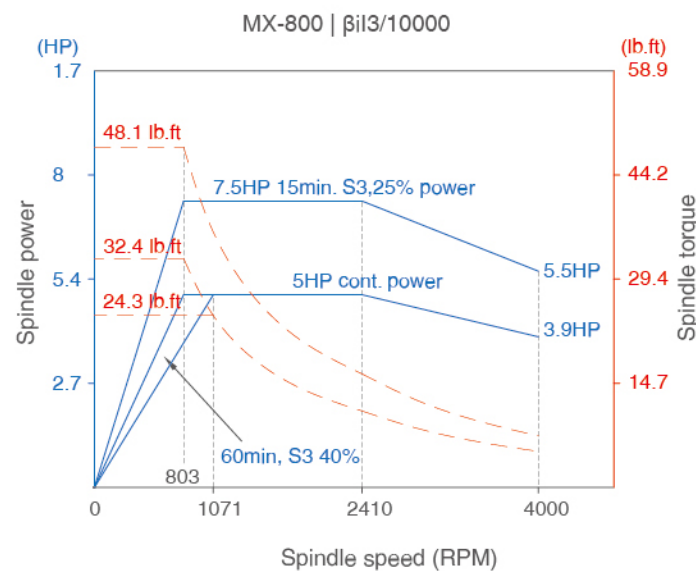


Front

Side

Unit :inch

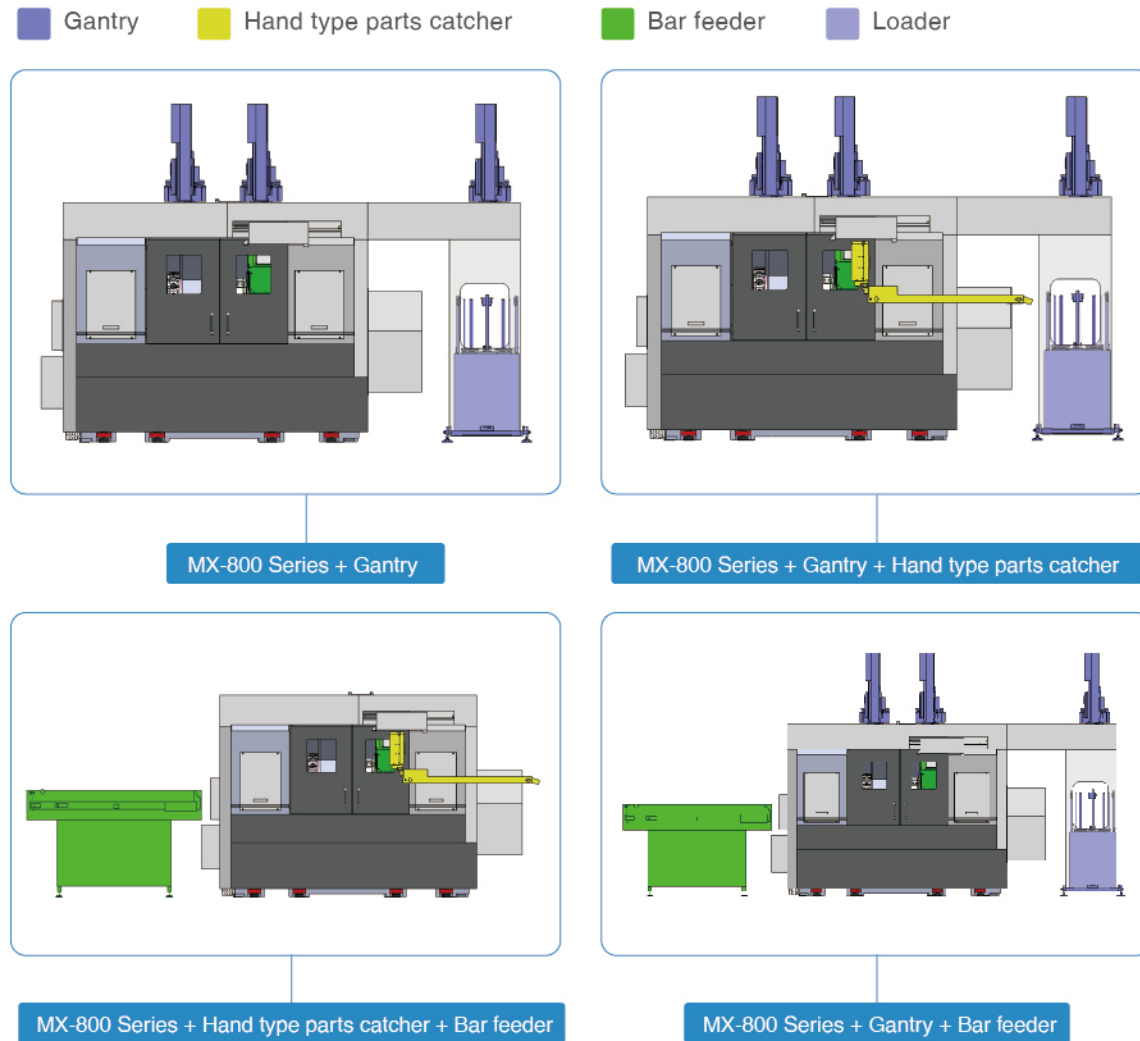
Power chart for milling tool





Standard and optional accessories

An option to equip the MX-800 with a gantry loading system and parts conveyor radically shortens component handling times and coupled with the design of the twin turret/twin spindle system for the highest machining speeds, it provides the perfect solution for high-speed mass production.

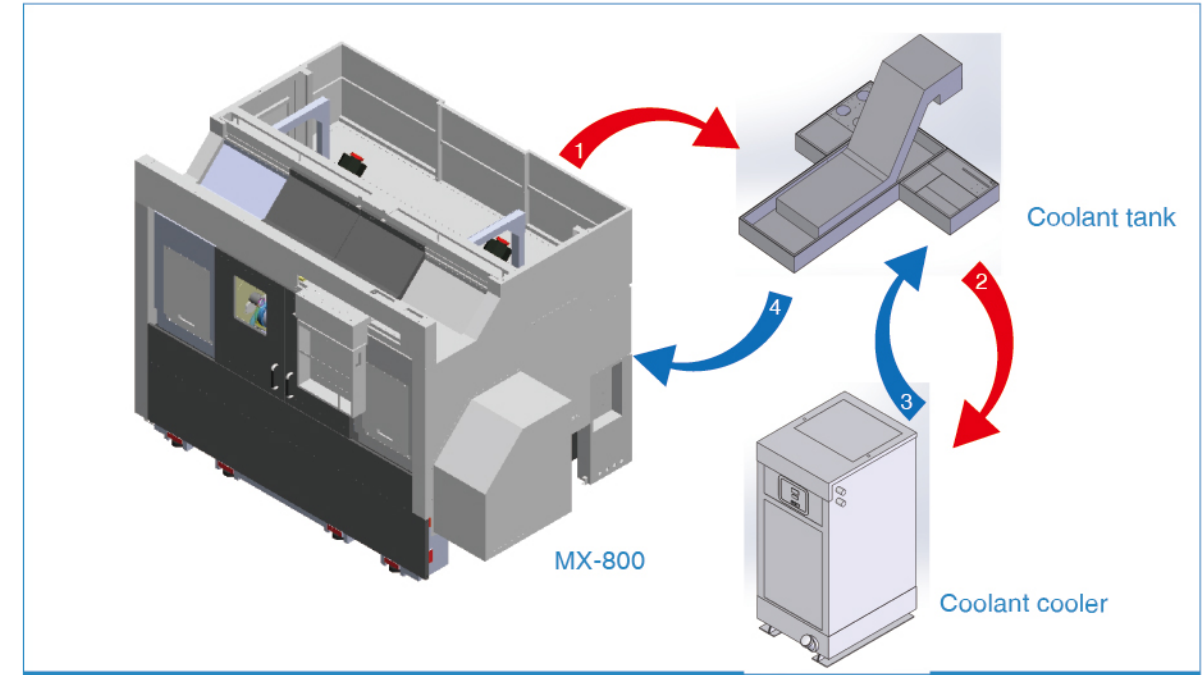


Standard accessories

1. Belt-driven spindle
2. Leveling pad
3. Tool wedge
4. LED working lamp
5. Tool box
6. Operation manual
7. Hydraulic chuck
8. Foot switch

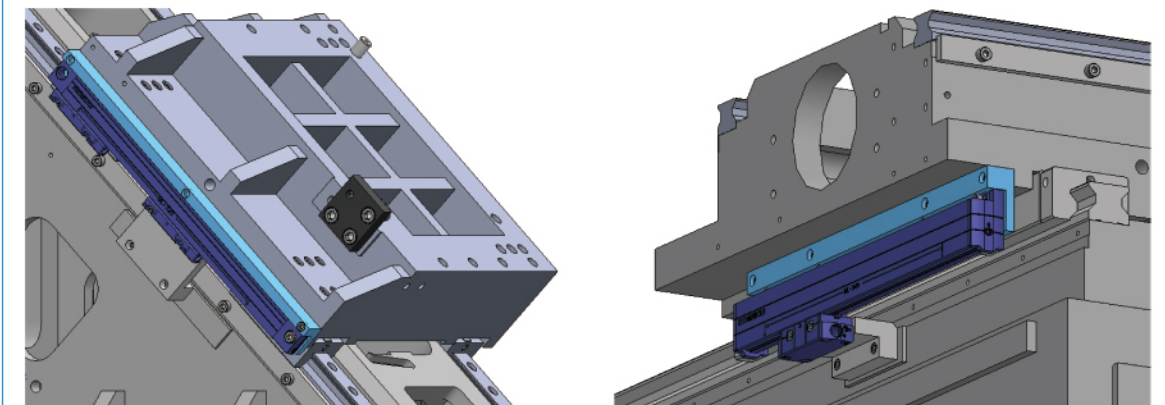
Optional accessories

- | | |
|---|---------------------------|
| 1. servo live tool | 10. Parts catcher |
| 2. Bar feeder and interface | 11. Auto power off |
| 3. Manual tool setter | 12. Parts counter |
| 4. Automatic tool setter | 13. Collet chuck |
| 5. Spindle air blow | 14. Oil skimmer |
| 6. Gantry and loader | 15. Auto chip shield door |
| 7. Lifting jig | |
| 8. Internal parts catcher and conveyor | |
| 9. Right side/rear - in chip conveyor with cart | |



- Coolant Cooler Unit -

Coolant temperature affects workpiece accuracy, and for heavy cutting this option is recommended to reduce coolant temperature. The effectiveness of this unit is influenced by type and frequency of heavy cutting.

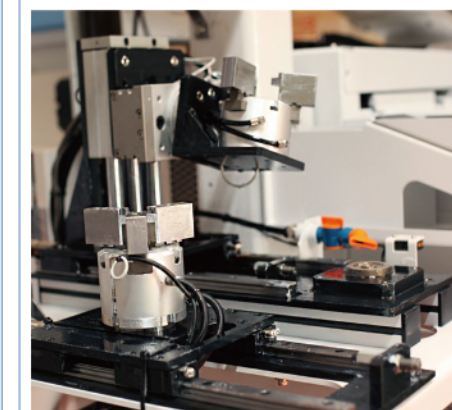


- Linear Scale (X and Z axis) - This option promotes high resolution and the highest machining accuracy.



- Tool Setter -

Use of either a manual or automatic tool setter speeds up tool setting and increases machining efficiency.



- The external measuring option & The internal measuring option -

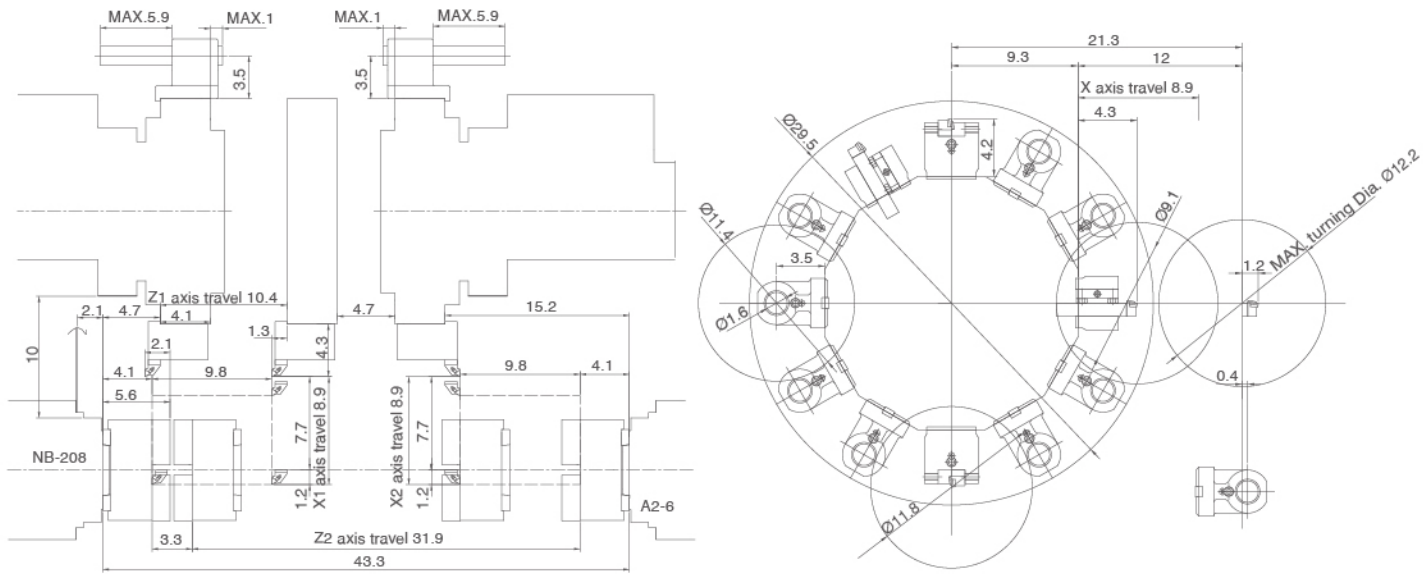
This option ensures accuracy of machining and increased product quality by allowing compensation to ensure more accurate machining tolerances.



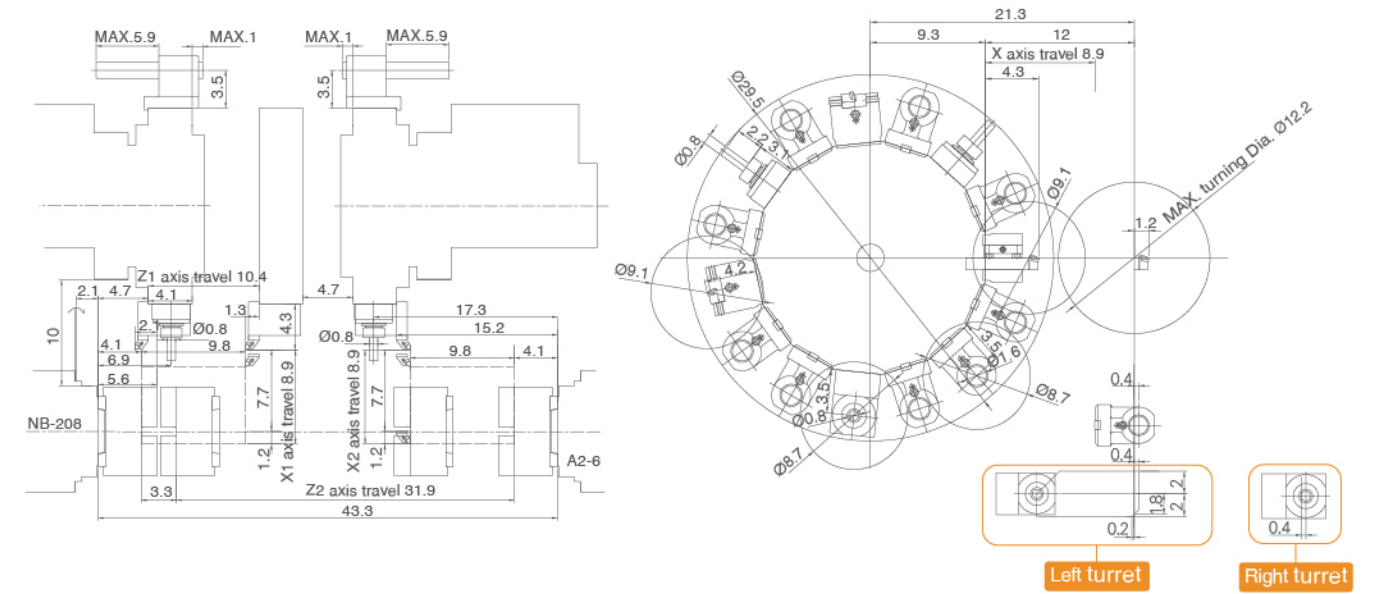


Working range | Interference diagram

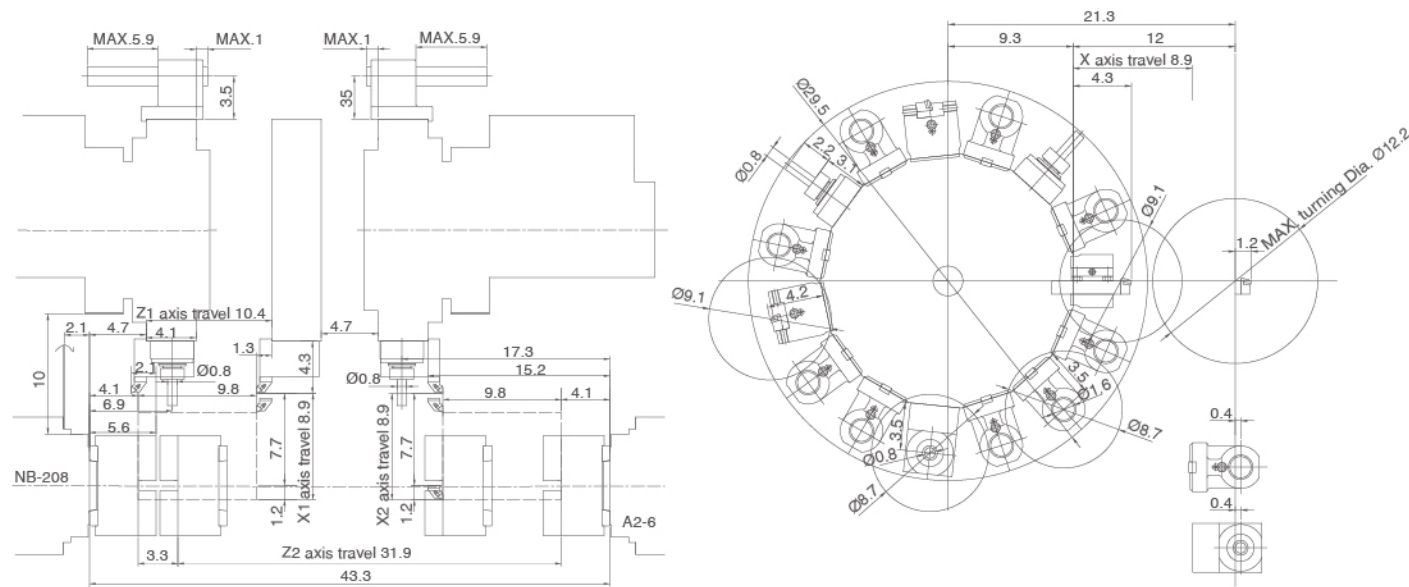
MX-800



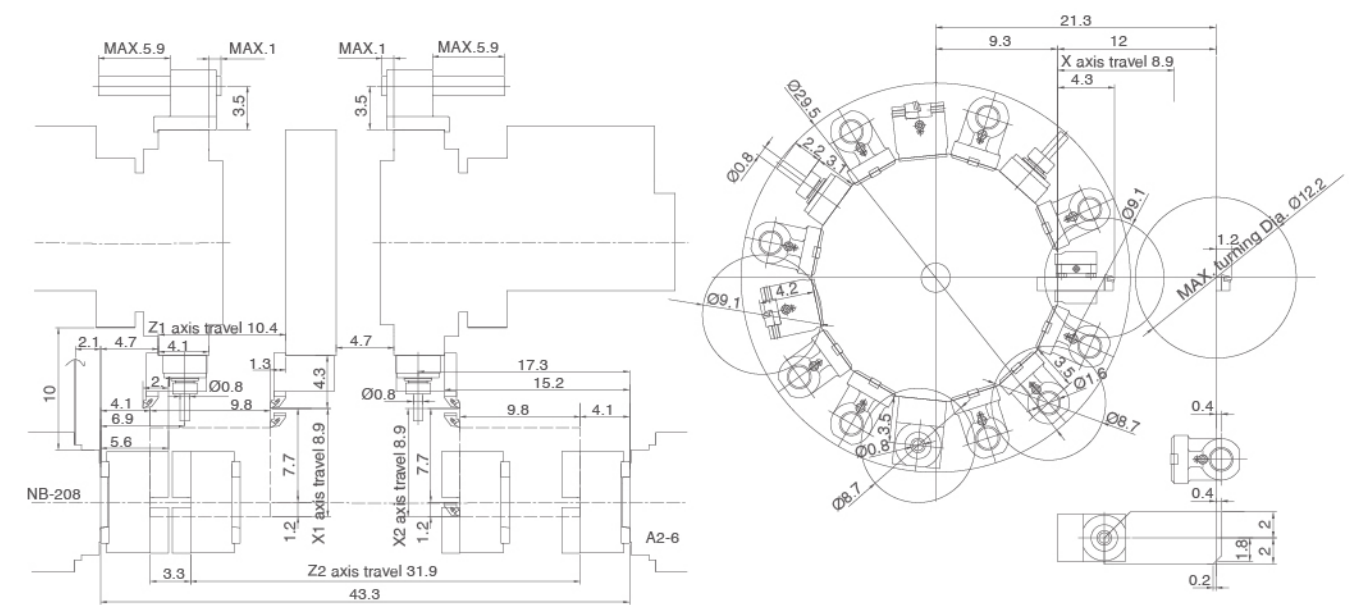
MX-800Y



MX-800M2



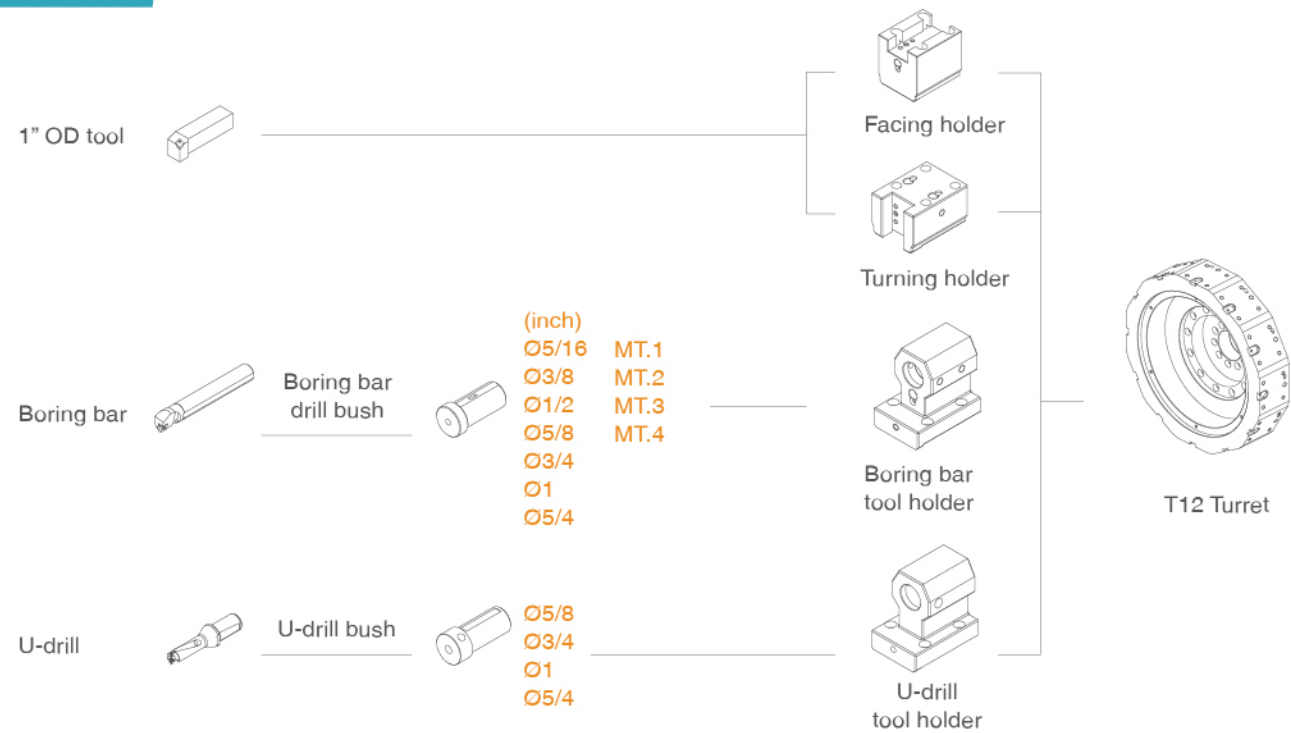
MX-800Y2



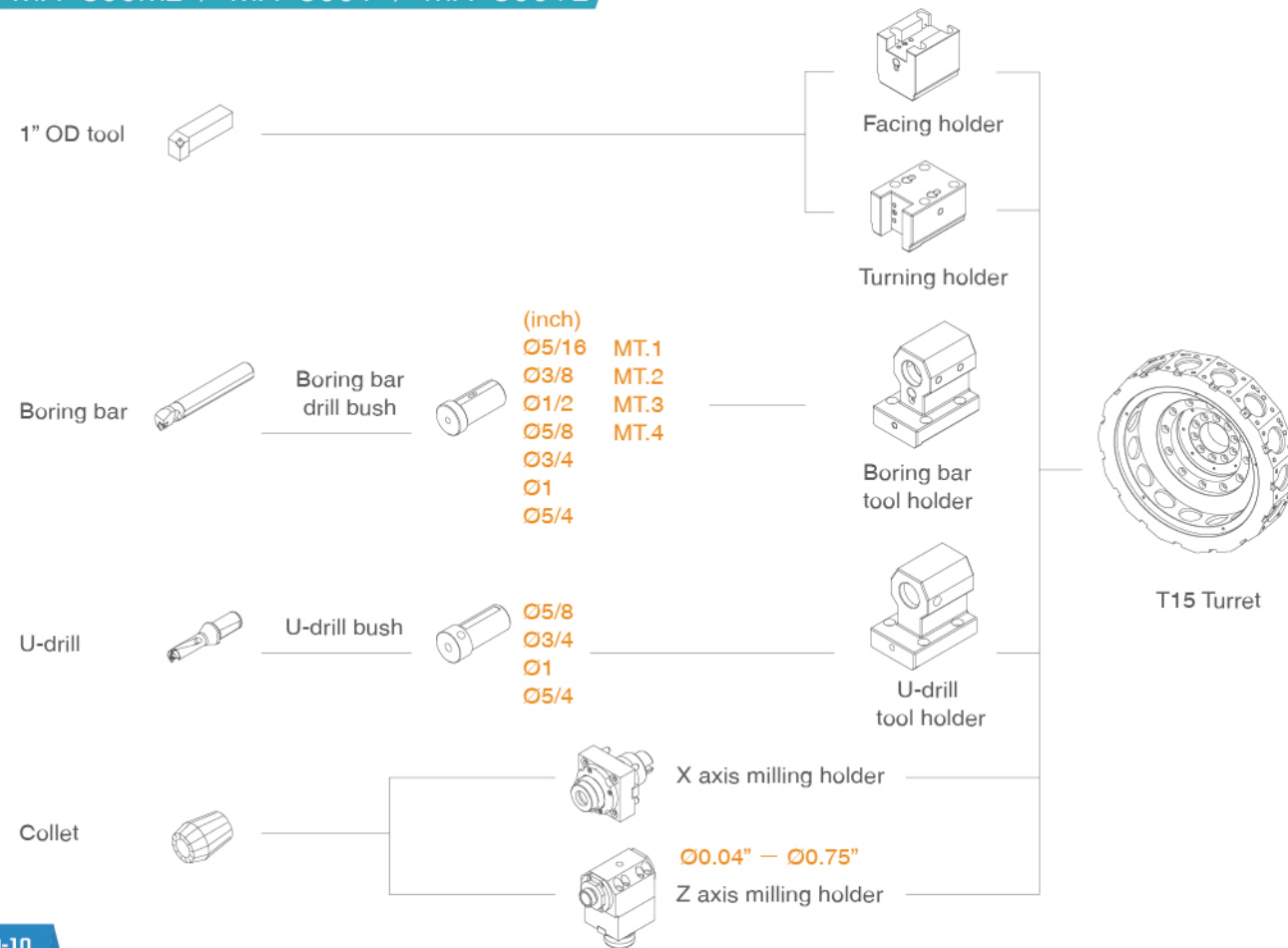


Tooling system

MX-800



MX-800M2 / MX-800Y / MX-800Y2



Specifications

Remark1: () Option --- none

Item	Unit	MX-800	MX-800M2	MX-800Y	MX-800Y2
Capacity					
Standard turning diameter	inch		9.1		
Max. turning diameter	inch		12.2		
Max. turning length	inch		9.8		
Max. bar work capacity	inch		2 (2.6) / 2 (2.6)		
Distance between two spindle face	inch		Max.43.3 / Min.11.4		
Spindle					
Spindle speed	rpm		4000 (3500)		
Chuck size			8"		
Spindle nose			A2-6		
Through hole diameter	inch		2.5 (3)		
Bearing diameter	inch		3.9 (4.3)		
Sub. spindle					
Spindle speed	rpm		4000 (3500)		
Chuck size			8"		
Spindle nose			A2-6		
Through hole diameter	inch		2.5 (3)		
Bearing diameter	inch		3.9 (4.3)		
Turret					
Number of turrets			2		
Number of tool stations		T12+T12		T15+T15	
Turning tool shank	inch		1		
Boring bar shank diameter	inch		1.6		
Milling speed	rpm	---		4000	
Milling shank diameter	inch	---		$\varnothing 0.04 - \varnothing 0.75$	
Travel					
X1/X2 axes travel	inch		8.9		
Z1/Z2 axes travel	inch		10.4/31.9		
Y axis travel	inch	---	---	Y axis: ± 2	Y1/Y2 axes: ± 2
Feedrate					
X1/X2 axes rapid traverse rate	ipm		787.4		
Z1/Z2 axes rapid traverse rate	ipm		787.4(944.9)		
Y axis rapid traverse rate	ipm	---	---	Y axis: 236.2	Y1/Y2 axes: 236.2
Motor					
Spindle drive motor	HP		20 / 15 (25 / 20)		
Sub. spindle drive motor	HP		20 / 15 (25 / 20)		
Milling motor	HP	---		7.4/5	
Turret index motor	HP		1.6		
X1/X2 axes drive motor	HP		3.4/3.4		
Z1/Z2 axes drive motor	HP		3.4/3.4		
Y axis drive motor	HP	---	---	Y axis: 3.4	Y1/Y2 axes: 3.4/3.4
Machine size					
Height	inch		86.6		
Width	inch		137.5		
Depth	inch		84.6		
Weight	lb		17640		

※ Specifications are subject to change without notice.