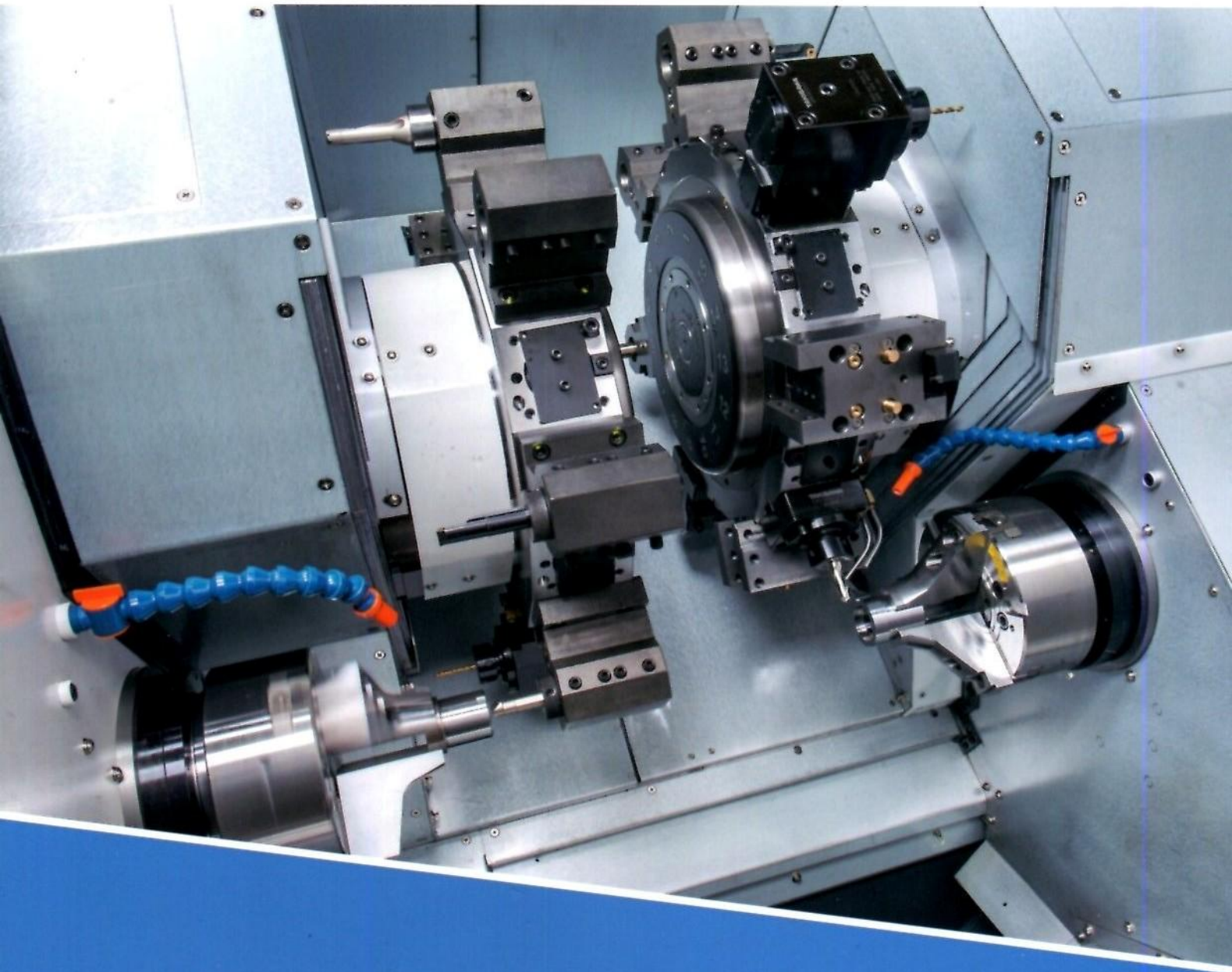


MX-800

TWIN TURRET | TWIN SPINDLE

Fully intelligent complex turning-milling CNC lathe



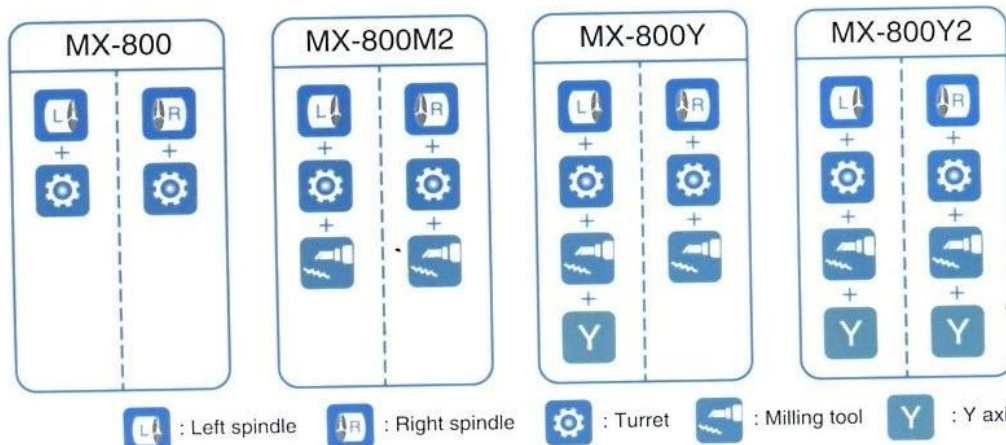


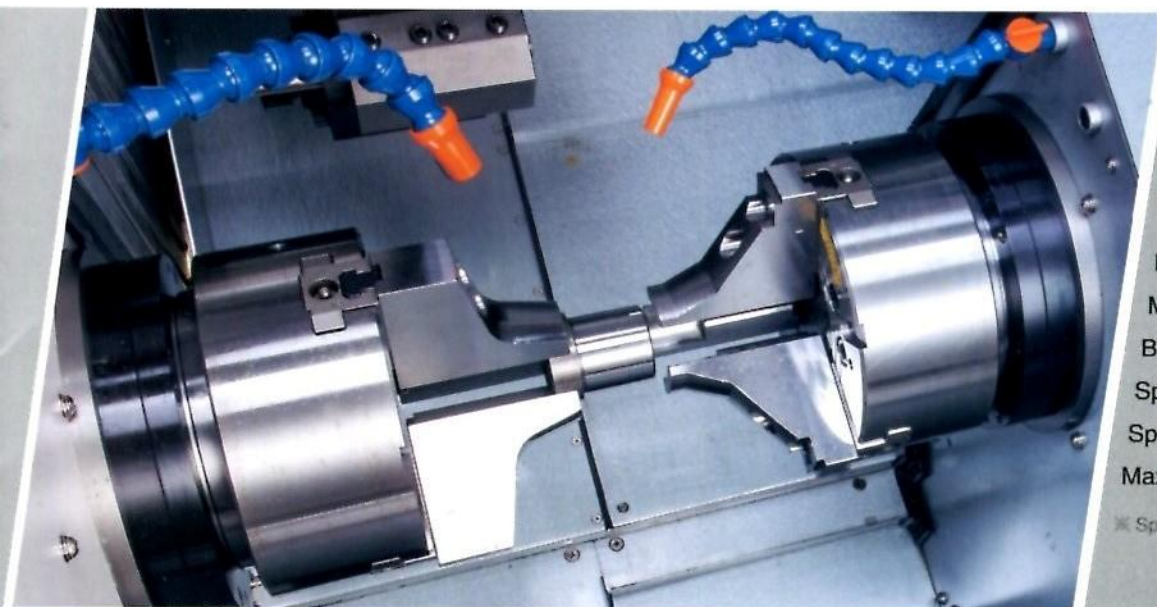
MX-800 Series



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:





Specifications

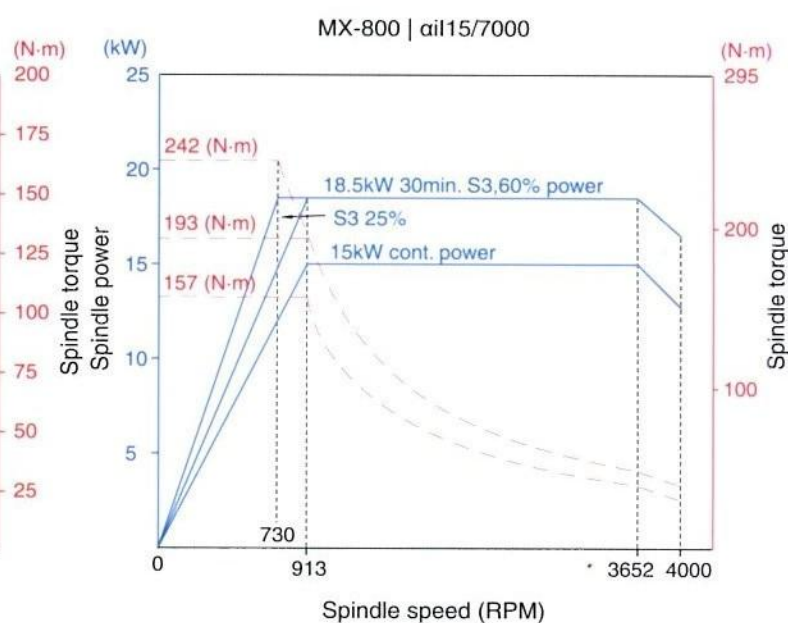
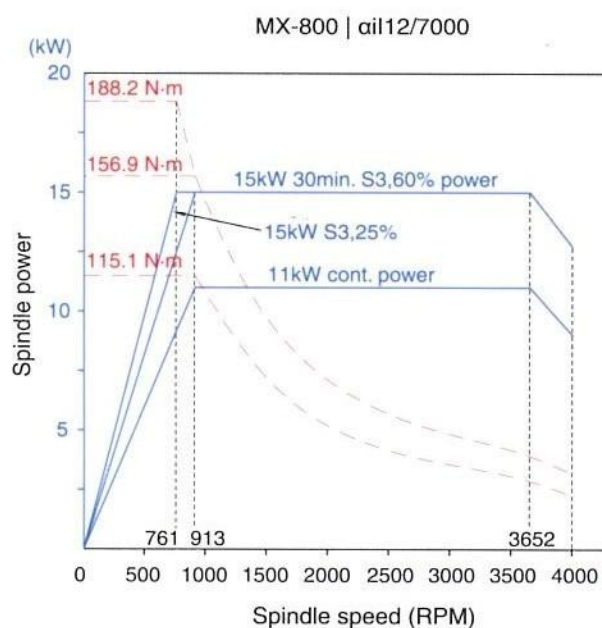
- Max. turning length : 250mm
- Max. turning dia. : 310mm
- Max. bar work capacity : 52(65)mm
- Bearing diameter : 100(110)mm
- Spindle speed : 4000(3500)rpm
- Spindle drive motor : 11/15(15/18.5)kW
- Max. spindle torque : 188.2(242)N-m

※ Specifications are subject to change without notice.



Spindle output diagram

Powered by FANUC MOTOR for high stability & high accuracy.

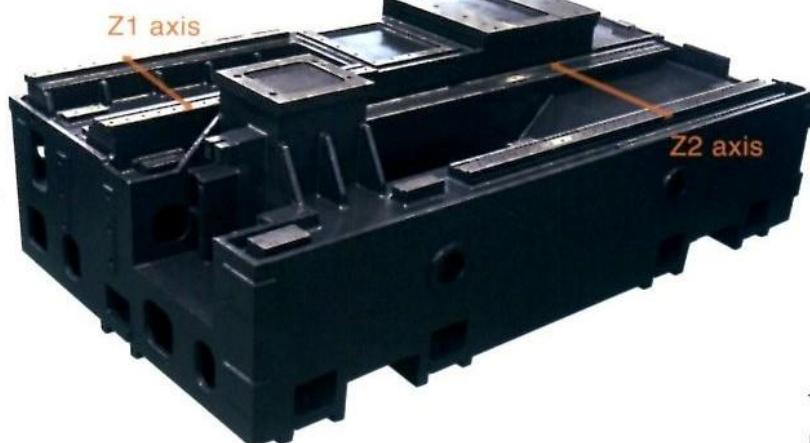




MX-800

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.

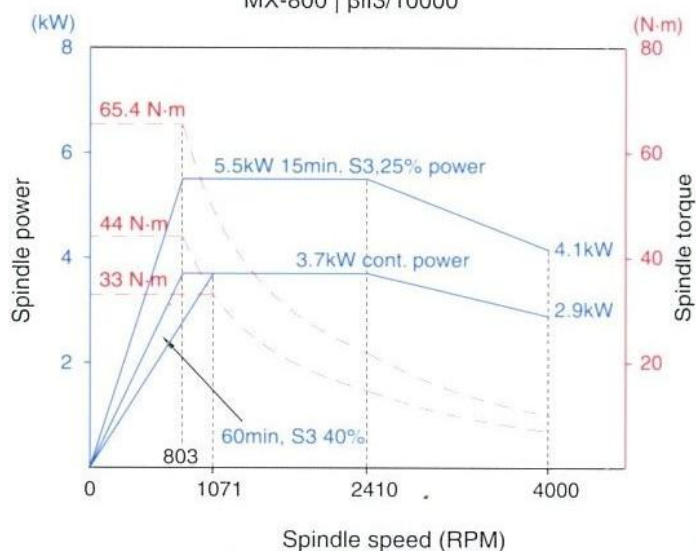


The latest grease lubrication system allows reductions of 80% in grease usage. The frequency of coolant replacement is also reduced.



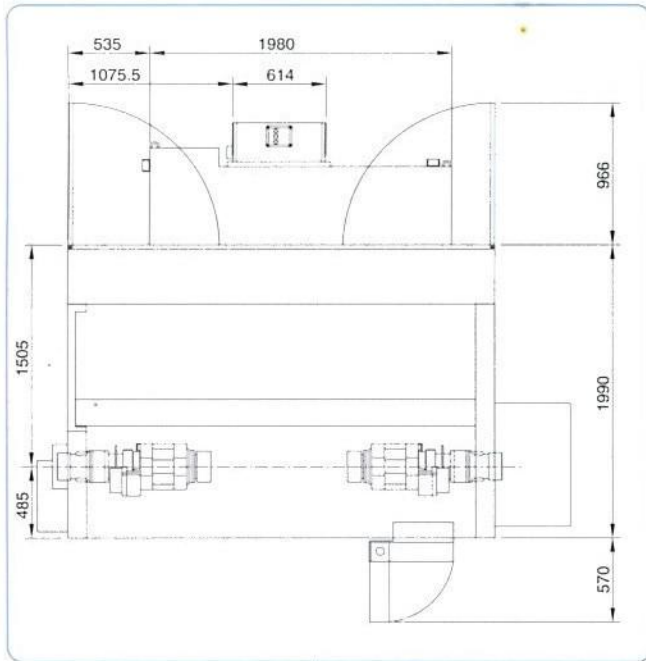
Power chart for milling tool

MX-800 | β il3/10000





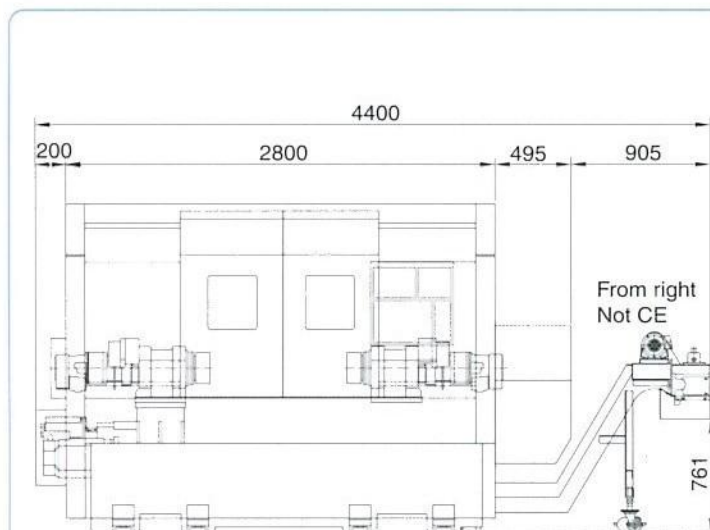
Machine dimensions



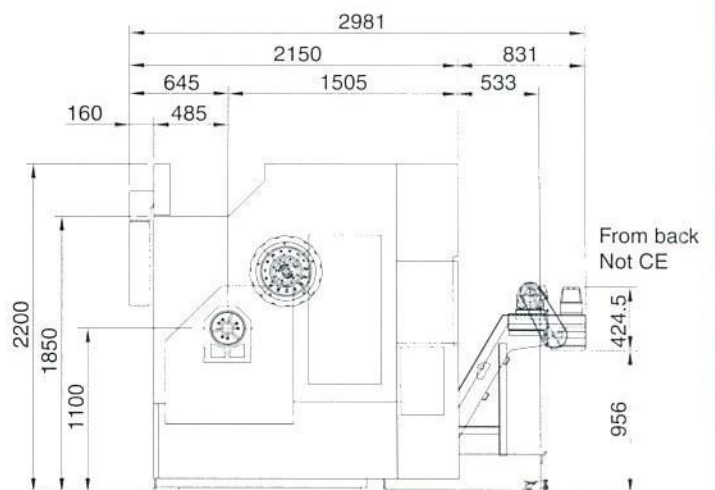
Top



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



Front



Side

Unit : mm



Standard and optional accessories

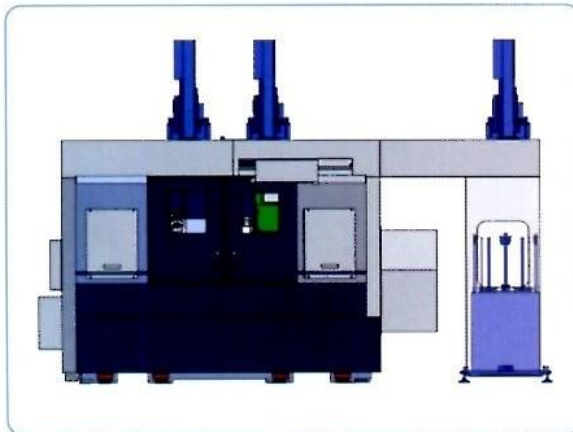
An option to equip the MX-800 with a gantry loading system and parts conveyor radically shortens component handling times and coupled with the design of the twin turret/twin spindle system for the highest machining speeds, it provides the perfect solution for high-speed mass production.

 Gantry

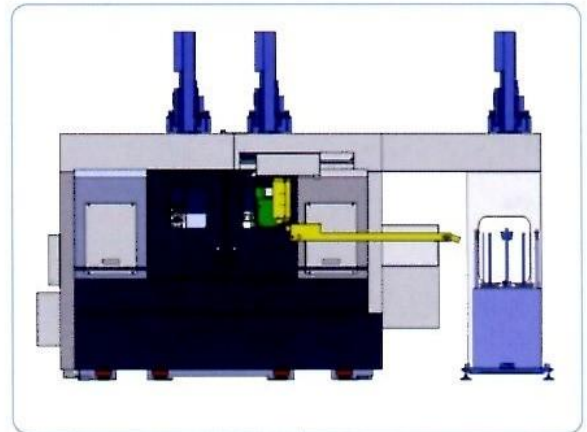
 Hand type parts catcher

 Bar feeder

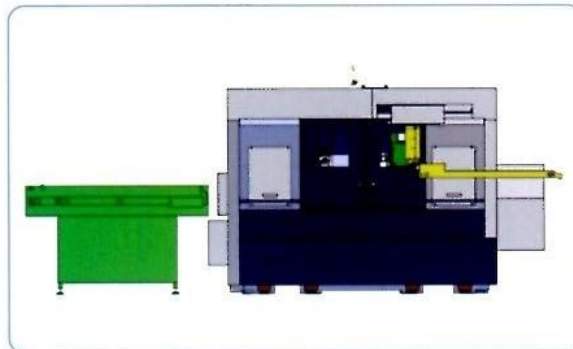
 Loader



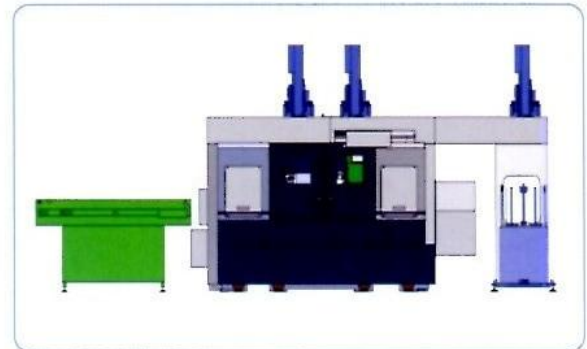
MX-800 Series + Gantry



MX-800 Series + Gantry + Hand type parts catcher



MX-800 Series + Hand type parts catcher + Bar feeder



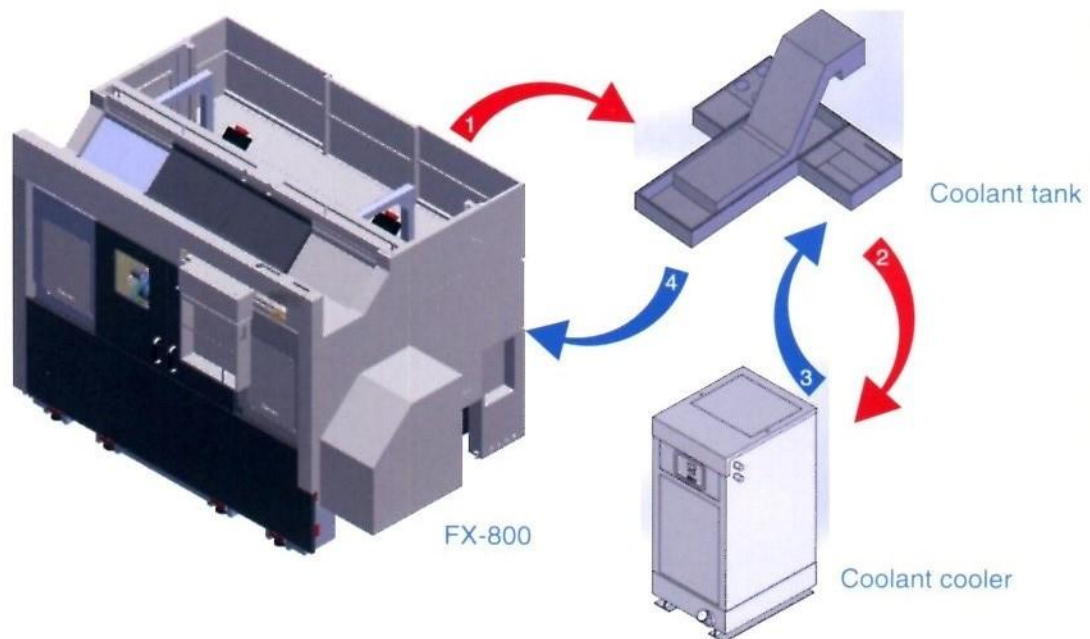
MX-800 Series + Gantry + Bar feeder

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

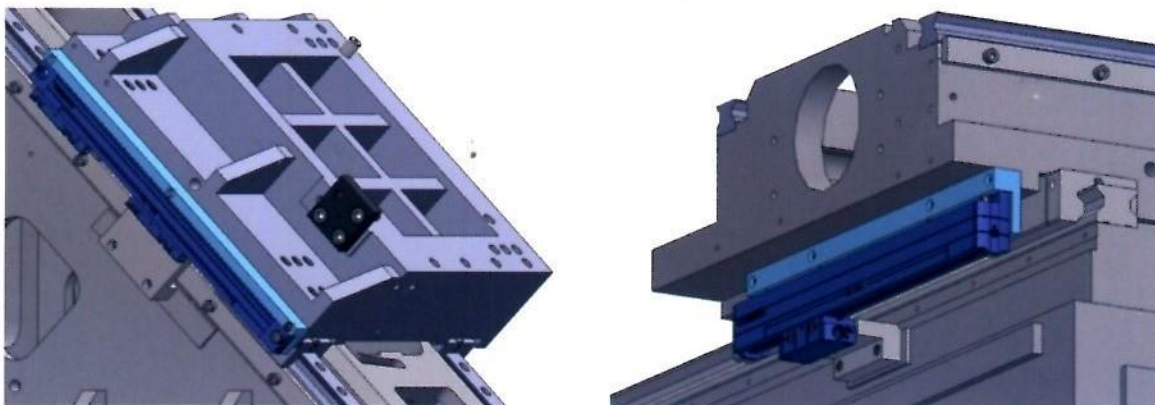
Optional accessories

- | | |
|---|---------------------------|
| 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.



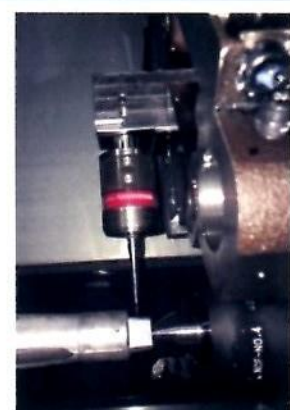
- Tool Setter -

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

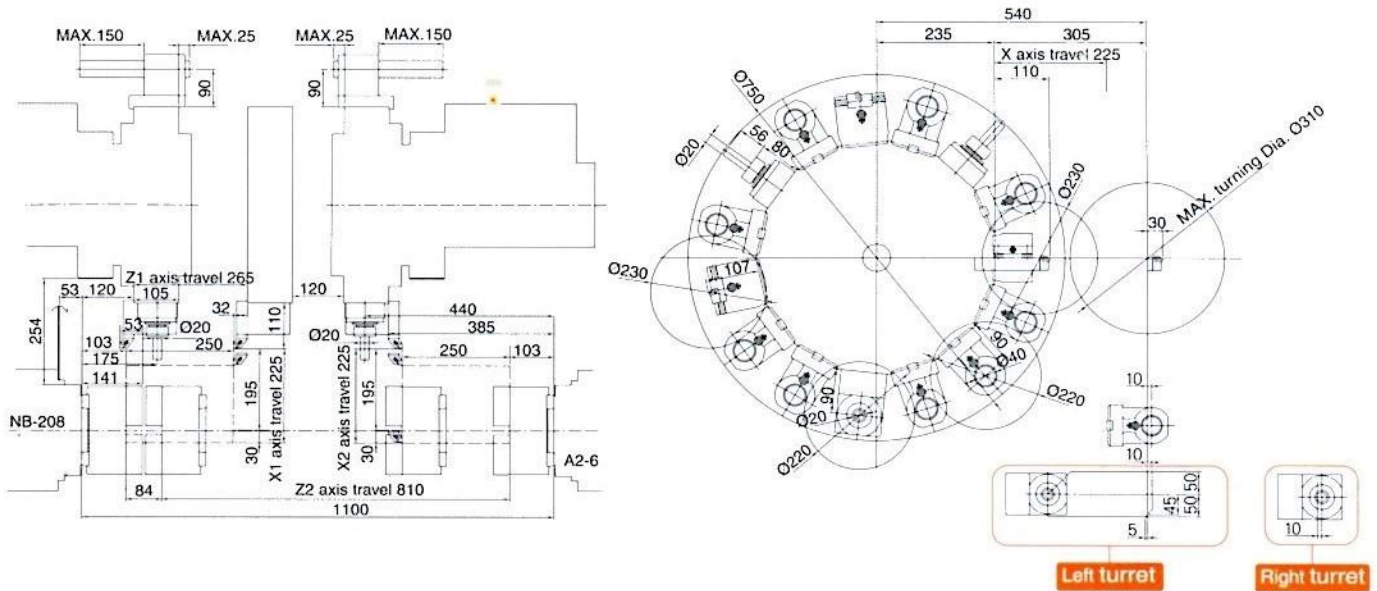


- The external measuring option & The internal measuring option -

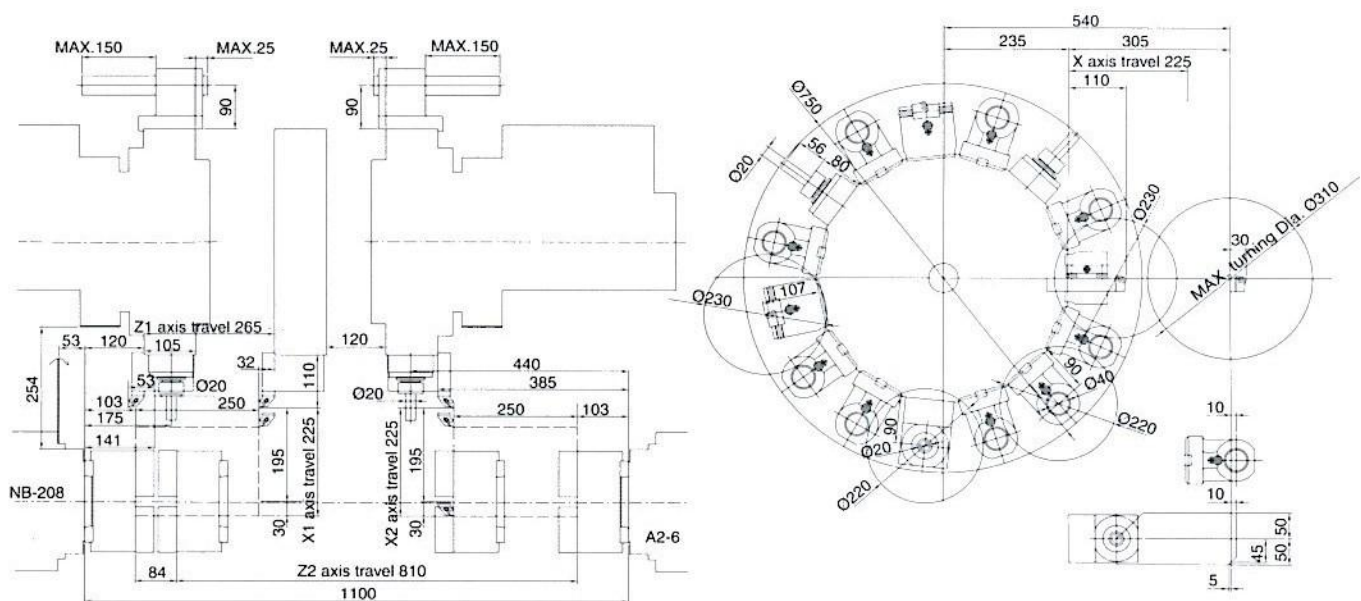
This option ensures accuracy of machining and increased product quality by allowing compensation to ensure more accurate machining tolerances.



MX-800Y



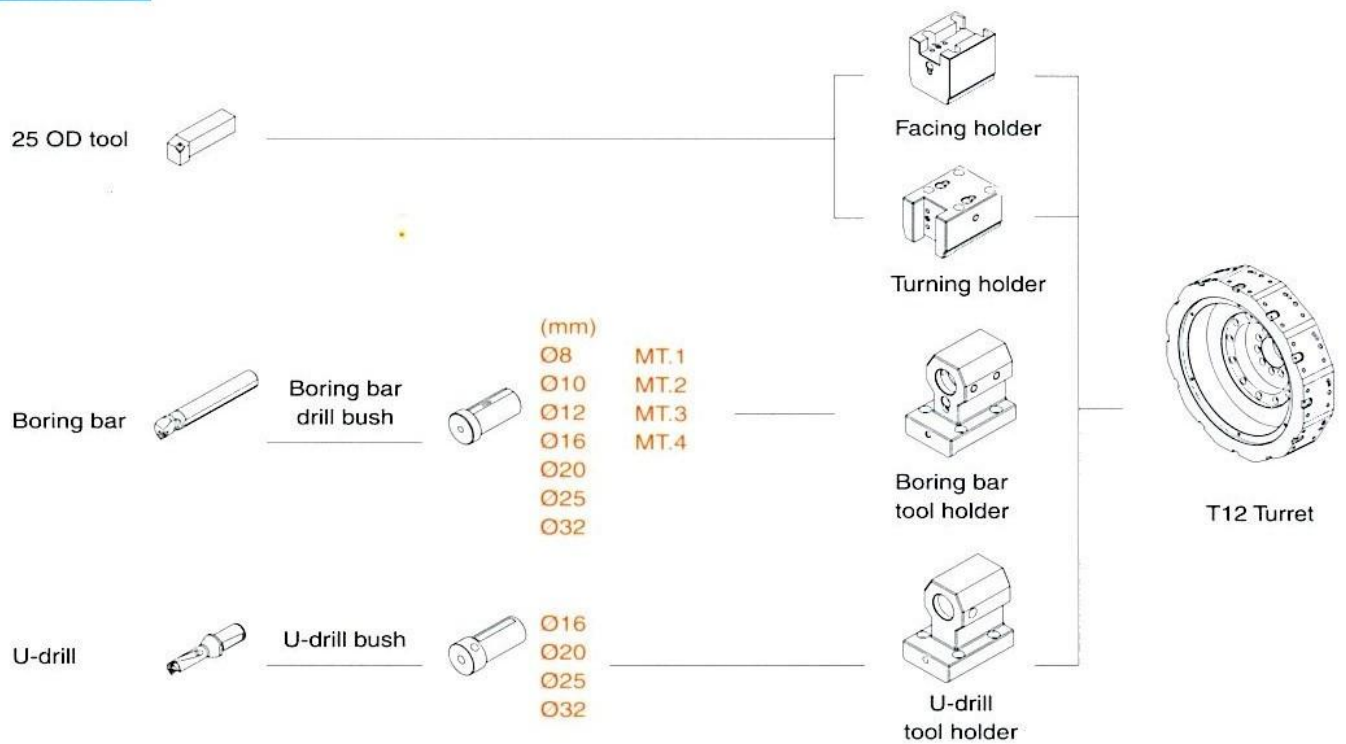
MX-800Y2



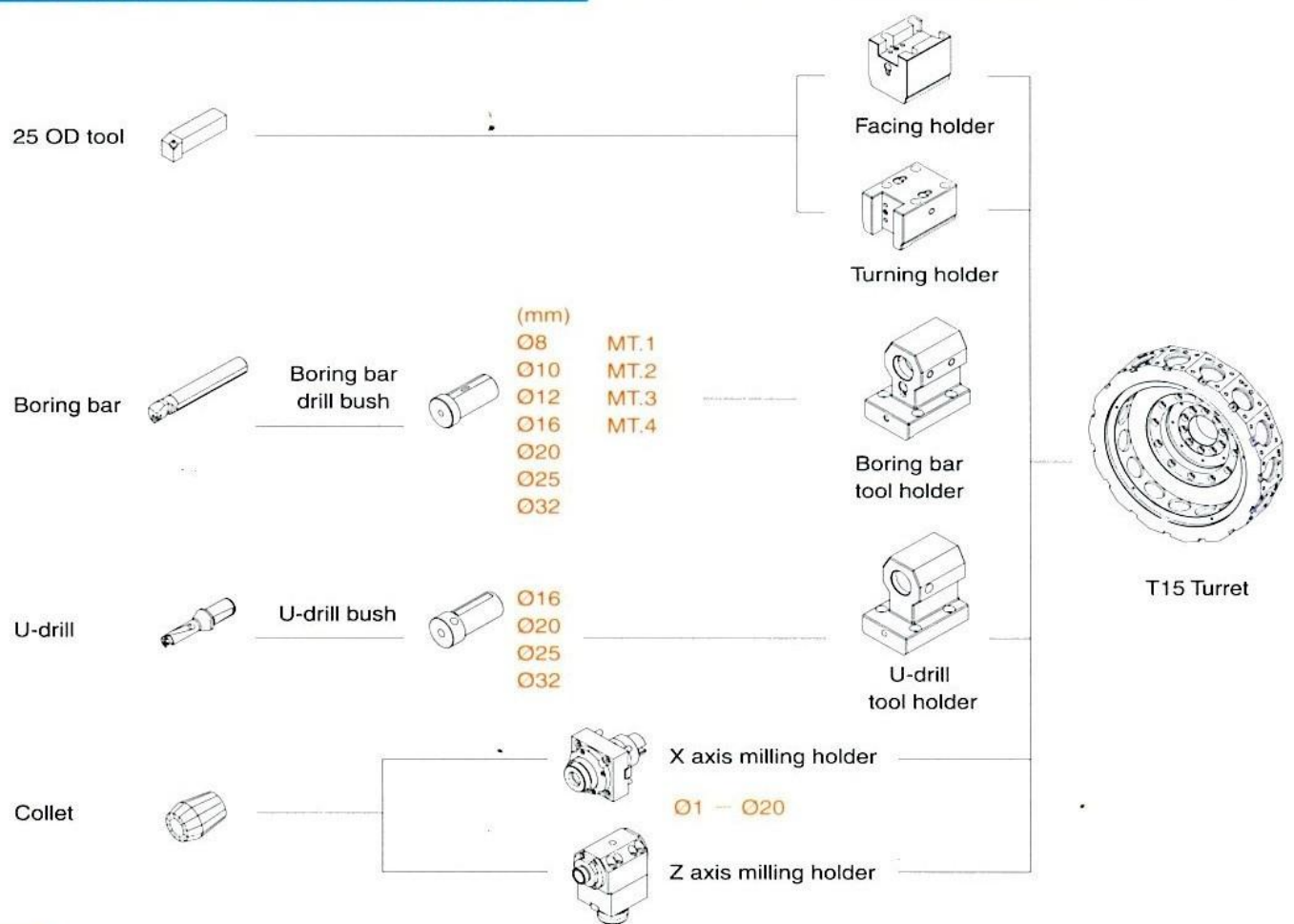


Tooling system

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	mm	230			
Max. turning diameter	mm	310			
Max. turning length	mm	250			
Max. bar work capacity	mm	52 (65) / 52 (65)			
Distance between two spindle face	mm	Max.1100 / Min.290			
Spindle					
Spindle speed	rpm	4000 (3500)			
Chuck size		8"			
Spindle nose		A2-6			
Through hole diameter	mm	63 (76)			
Bearing diameter	mm	100 (110)			
Sub. spindle					
Spindle speed	rpm	4000 (3500)			
Chuck size		8"			
Spindle nose		A2-6			
Through hole diameter	mm	63 (76)			
Bearing diameter	mm	100 (110)			
Turret					
Number of turrets		2			
Number of tool stations		T12+T12	T15+T15		
Turning tool shank	mm	25			
Boring bar shank diameter	mm	40			
Milling speed	rpm	---	4000		
Milling shank diameter	mm	---	Ø1-Ø20		
Travel					
X1/X2 axes travel	mm	225			
X1/X2 axes travel	mm	265/810			
Y axis travel	mm	---	---	Y axis:±50	Y1/Y2 axes:±50
Feedrate					
X1/X2 axes rapid traverse rate	m/min	20			
Z1/Z2 axes rapid traverse rate	m/min	20(24)			
Y axis rapid traverse rate	m/min	---	---	Y axis:6	Y1/Y2 axes:6
Motor					
Spindle drive motor	kW	11 / 15 (15 / 18.5)			
Sub. spindle drive motor	kW	11 / 15 (15 / 18.5)			
Milling motor	kW	---	3.7/5.5		
Turret index motor	kW	1.2			
X1/X2 axes drive motor	kW	2.5/2.5			
Z1/Z2 axes drive motor	kW	2.5/2.5			
Y axis drive motor	kW	---	---	Y axis:2.5	Y1/Y2 axes:2.5
Machine size					
Height	mm	2200			
Width	mm	3495			
Depth	mm	2150			
Weight	Kg	8000			

※ Specifications are subject to change without notice.



More

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