

Specifications

	Item	Unit	
Spindle	Spindle nose	type	A2-6
	Spindle speed	rpm	4500
	Spindle motor(cont/30min torque)	kw	7.5/11
	Bar capacity	mm	51/65
	Max.turning length	mm	200
	Max.turning diameter	mm	150
Sub-Spindle	Spindle nose	type	A2-4
	Spindle speed	rpm	5000
	Spindle motor(cont/30min torque)	kw	3.7/5.5
	Bar capacity	mm	34
	Max.turning diameter	mm	65
	Max.turning bar diameter	mm	51/65
Travel	X1 axis travel	mm	190
	Z1 axis travel	mm	425
	X1 axis rapid traverse	mm/min	24
	Z1 axis rapid traverse	mm/min	24
	X2 axis travel	mm	255
	Z2 axis travel	mm	520
	X2 axis rapid traverse	mm/min	18
	Z2 axis rapid traverse	mm/min	18
Turret	No.of tool station	set	12
	Tool size(SQUARE)	mm	20
	I.D.of boring bar holder	mm	25
	Turret indexing time	secs	0.4
Sub-Turret	No.of tool station	set	8
	Tool size(SQUARE)	mm	20
	I.D.of boring bar holder	mm	25
	Turret indexing time	secs	0.36
Machine Dimension	Machine width	mm	2660
	Machine depth	mm	1960
	Machine height	mm	1850
	Coolant tank capacity	L	250
	Machine Weight	Kg	5200

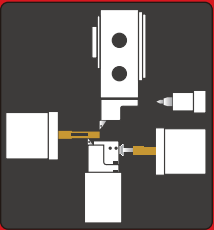
Standard Accessories

- 12 servo turret for main spindle
- 8-station servo turret for sub spindle
- Chip conveyor
- Chip cart
- Mitsubishi controller
- THK ball screws
- Air blast system
- Flow detection switch
- Coolant tank
- Automatic lubrication system

Optional Accessories

- Part conveyor
- Partscatcher
- Fanuc Controller
- Bar Feeder Interface
- Three-jaw chuck

Double Spindle Double Turret



ST51/65

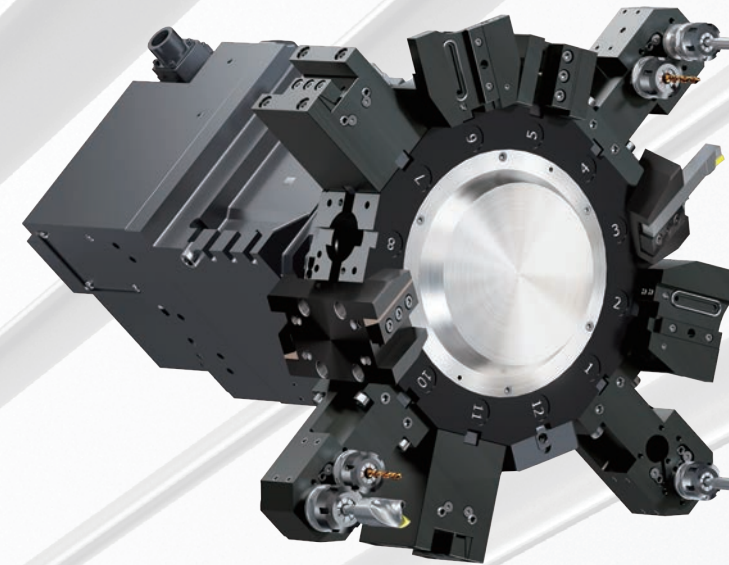


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ST | ST51/65

The ST series is a CNC double turret lathe designed specifically for high-volume processing, emphasizing minimal footprint and reduced manpower requirements.

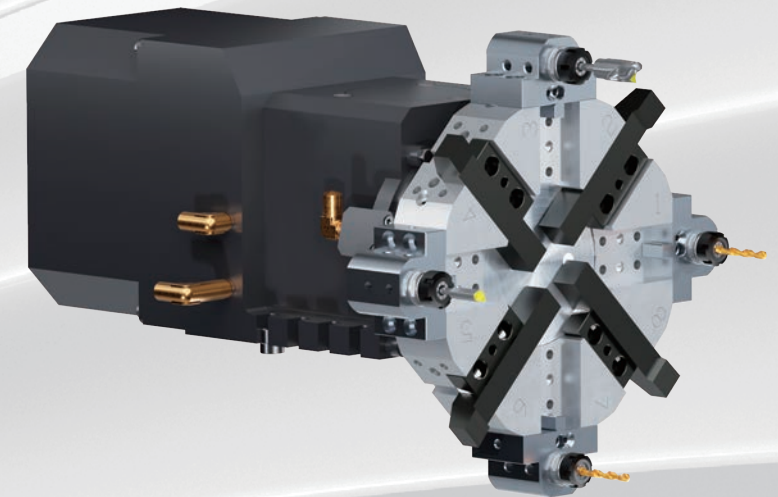


Turret

- The main turret has a total of 12 stations, capable of holding a maximum of 24 cutting tools.
- Turret index time: 0.4 sec(tool to tool)
- BMT structure design ensures maximum cutting rigidity.
- High-pressure coolant system optional, with choices of 20 or 70 bars.

Sub-Turret

- The sub-turret has a total of 8 stations.
- Turret index time 0.36sec(tool to tool)
- High-pressure coolant system optional, with choices of 20 or 70 bars.
- Capability for backside machining of workpieces.



Spindle

- Main spindle: 7.5/11KW horsepower
- Optional 8" chuck
- Equipped with double-roller bearings to ensure high rigidity during cutting.
- Sub-spindle: 3.7/5.5 KW horsepower
- Sub-spindle Optional 6" chuck



Machine Highlights

Equipped with THK double-nut ball screws to ensure stability and load capacity in linear motion.

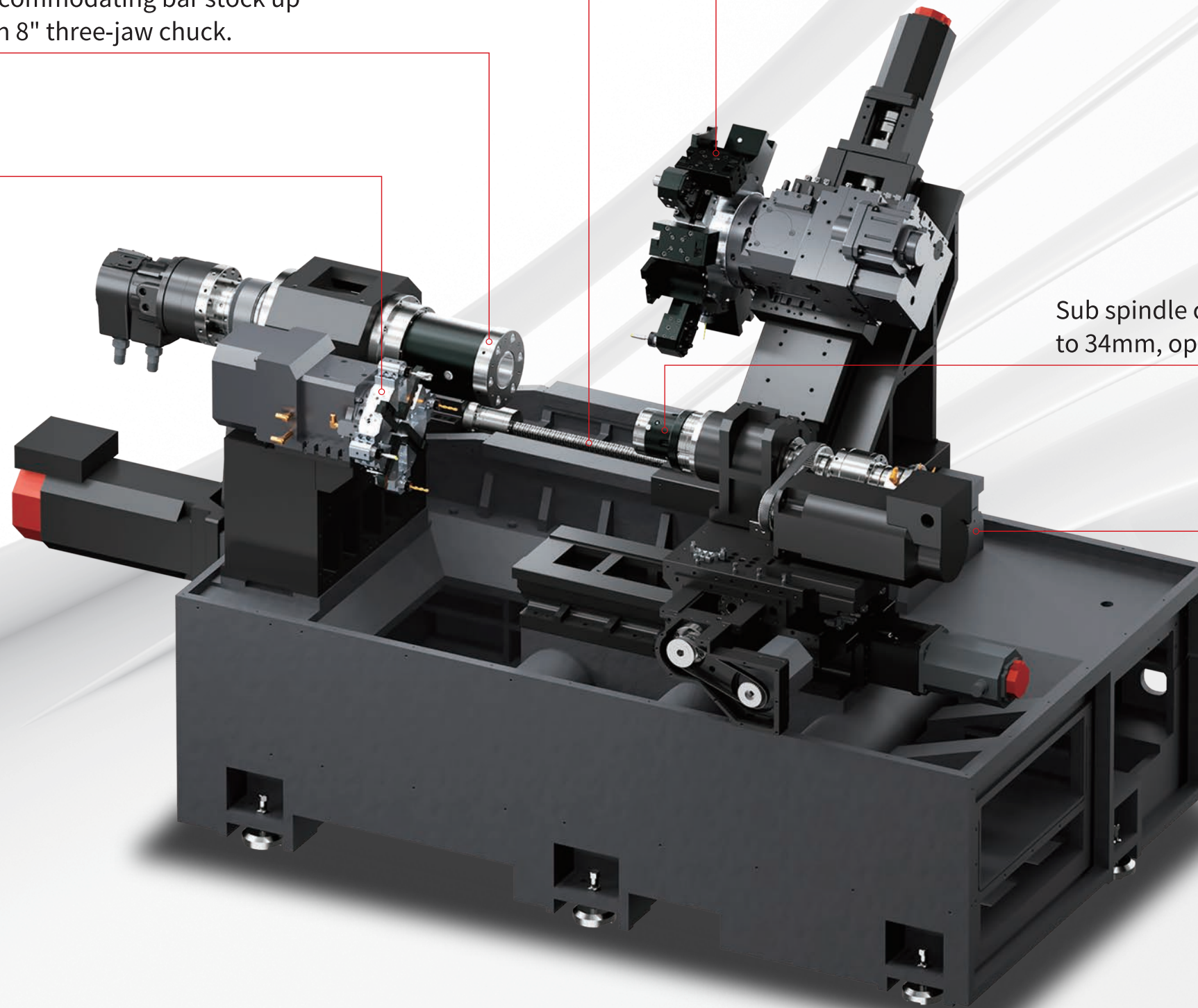
Main spindle: capable of accommodating bar stock up to 65mm, optionally with an 8" three-jaw chuck.

Sub-turret: 8 stations.

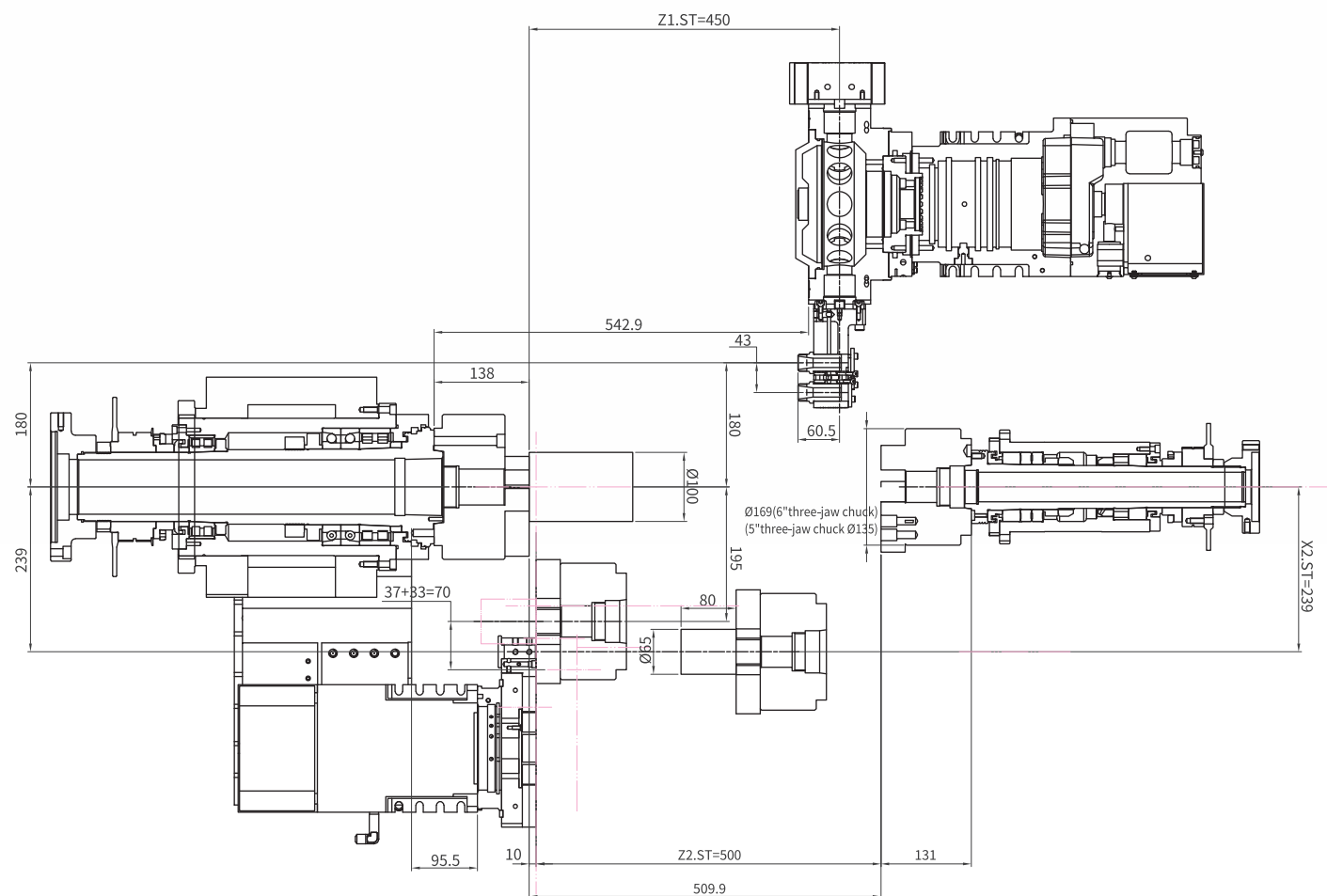
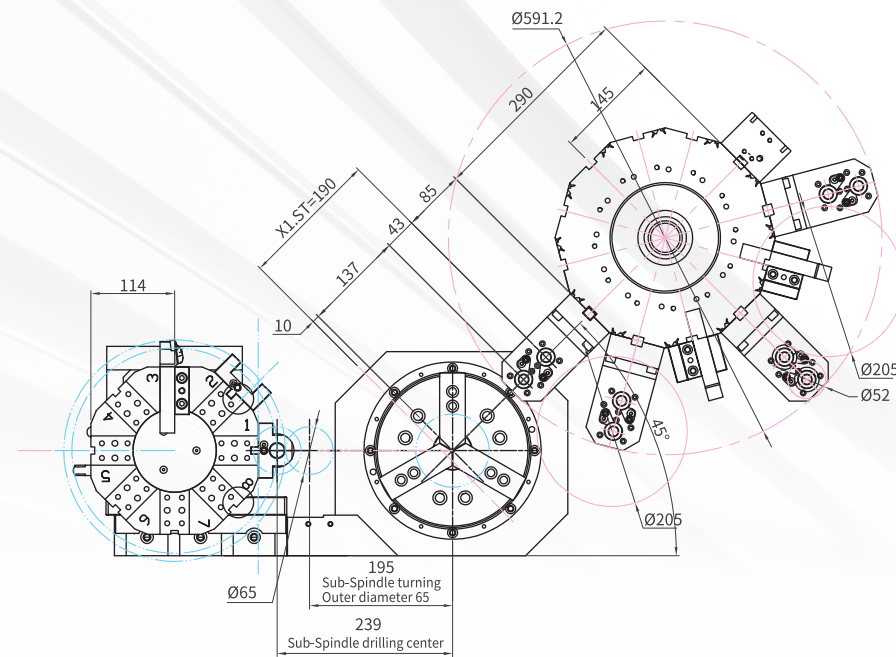
Main turret: 12 stations.

Sub spindle capable of accommodating bar stock up to 34mm, optionally with a 6" three-jaw chuck.

The slideway features a rigid boxway structure to ensure cutting rigidity.



Tool Interference Diagrams



Machine Dimensions

