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ISO 9001-2000

CNC SWISS TYPE LATHES

High rigidity, high precision Swiss type lathes, enhanced with a comprehensive tooling system to handle complex workpieces on the same machine, increasing efficiency by 20% to 40%.

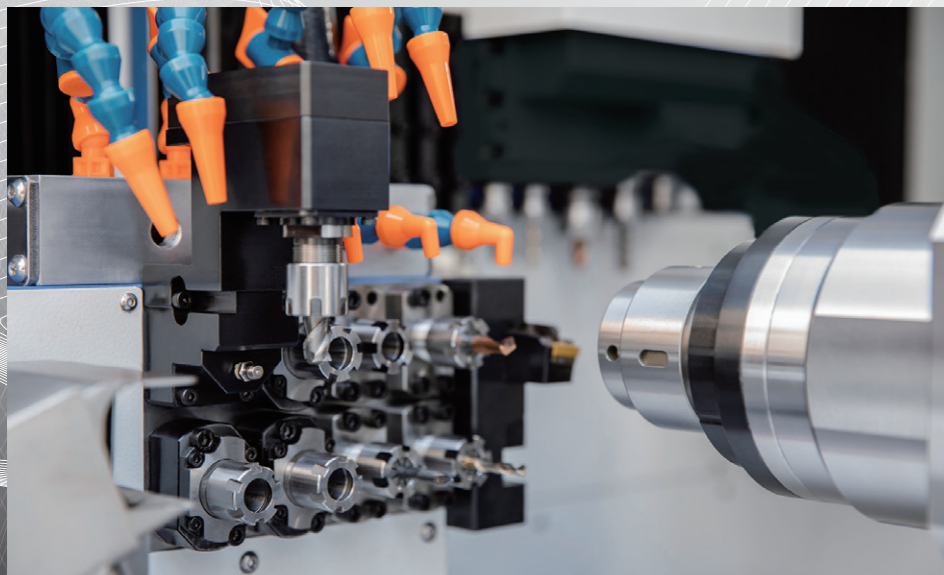
- Capable of guide bushing and non-guide bushing operations, suited for various machining requirements.
- Both the main and sub spindles are integrated with built-in motors and C-axes.
- Modular tooling system with up to 16 tooling stations on the main spindle and up to 9 on the sub spindle, offering more choices to customers.

Tooling System Configuration

- SS-205E/265E/325E/385E



- SS-206E/266E/326E/386E



Sub Spindles



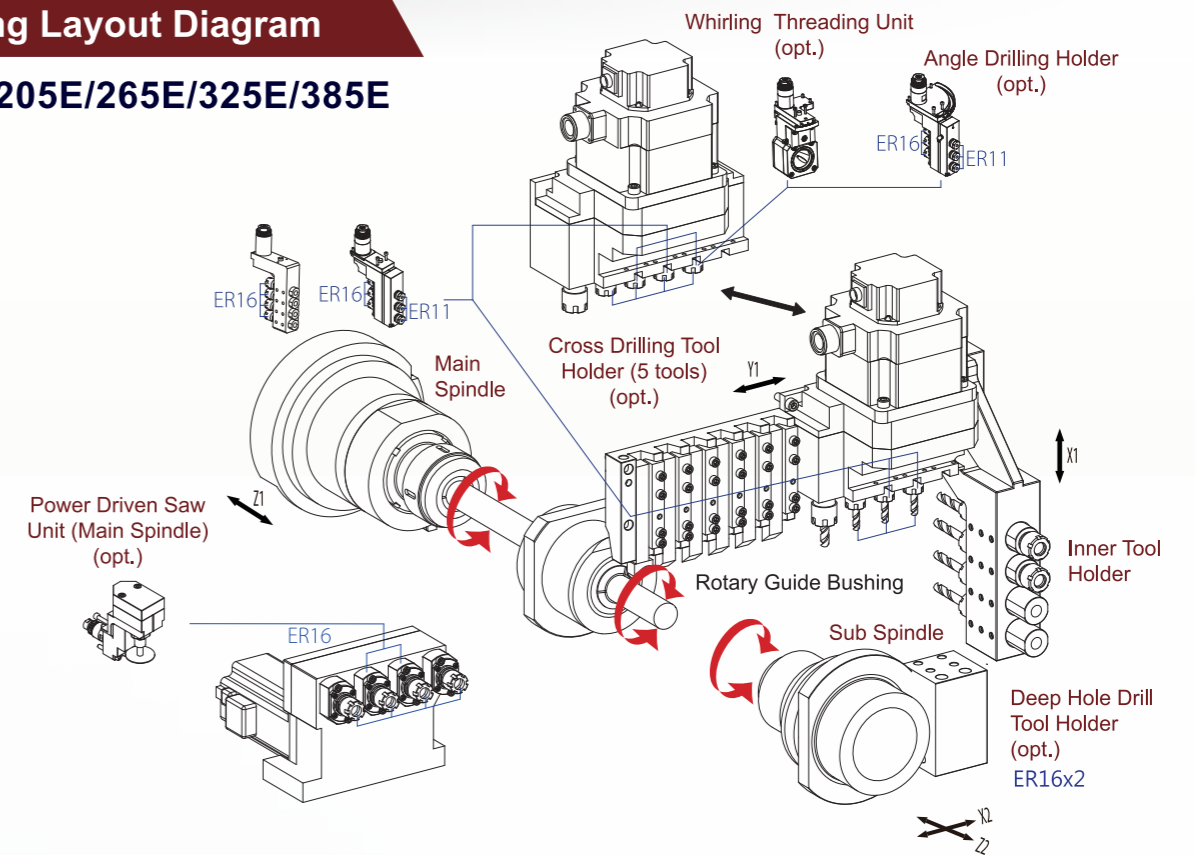
CNC Controller



Inner hole tool holders for both main / sub spindles

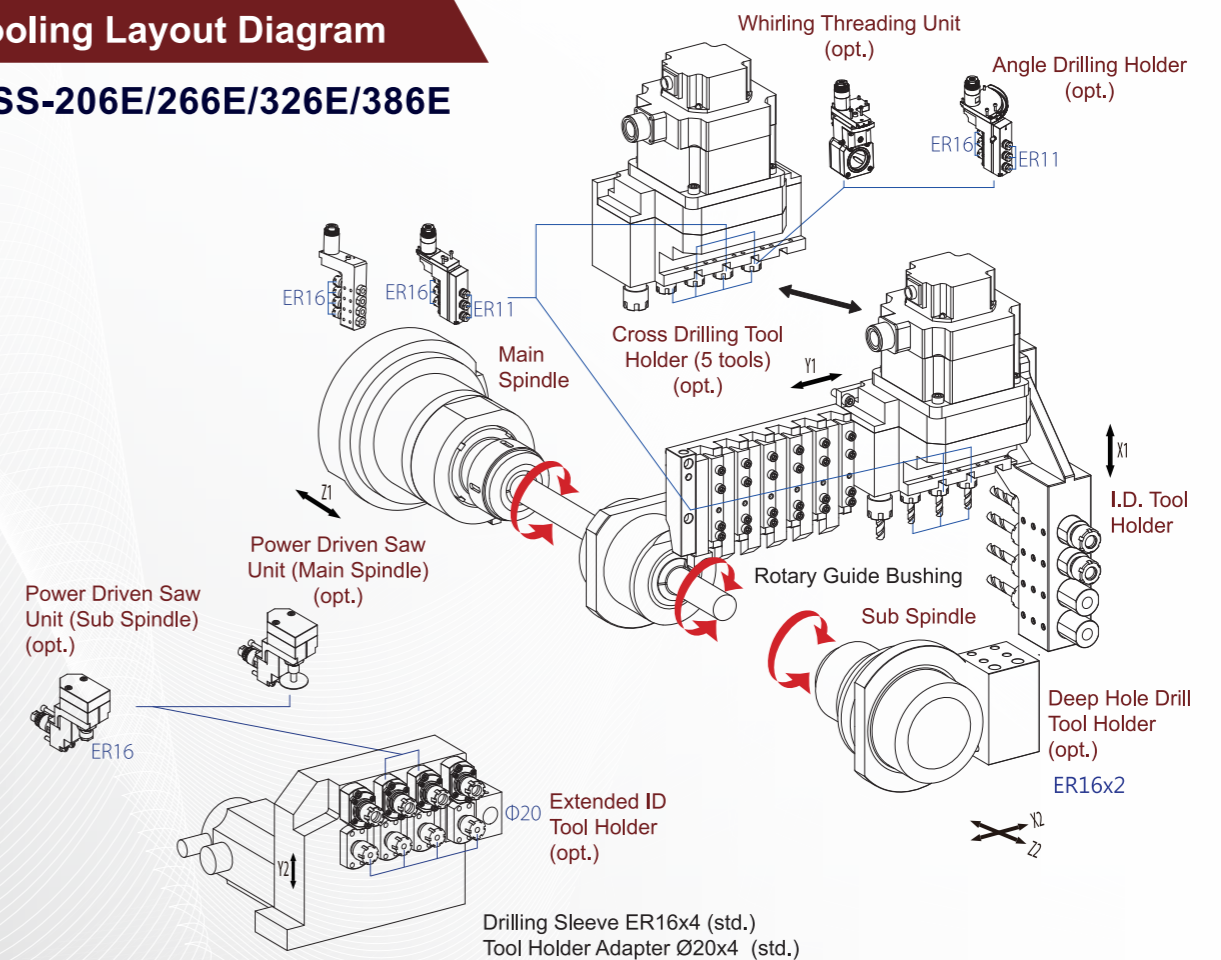
Tooling Layout Diagram

- SS-205E/265E/325E/385E



Tooling Layout Diagram

- SS-206E/266E/326E/386E



Specifications

MODEL	Unit	SS-205E	SS-265E	SS-325E	SS-385E
Max. Processing Diameter for Main Spindle	mm	20	26	32	38
Max. Processing Diameter for Sub Spindle	mm	20	26	32	38
Max. Processing Length (with Rotary Guide Bushing)	mm	180	180	300	300
Max. Processing Length (without Guide Bushing)	mm	50	50	80	90
Max. Drilling/Tapping Capability of Main Spindle	mm	M10	M10	M12	M12
Max. Drilling/Tapping Capability of Sub Spindle	mm	M8	M8	M10	M10
Max. Lateral Drilling/Tapping Capability	mm	M6	M6	M8	M8
External Tool Holders	pcs	6	6	6	6
Internal Tool Holders	pcs	4	4	4	4
Sub Spindle End Face Power Tool Stations	pcs	4	4	4	4
Number of Control Axes (Including C Axis)	pcs	7	7	7	7
Main/Sub Spindle Speed	rpm	8000	8000	6000	6000
X1/Z1/Y1/Z2/X2 Axis Rapid Feed Rate	m/min	20/24	20/24	24/30	24/30
S1 Lateral Drill Speed	rpm	5000	5000	5000	5000
S1 Lateral Tool Motor	KW	0.75	0.75	1.2	1.2
S2 End Face Tool Motor	KW	0.75	0.75	1.2	1.2
S2 End Face Drill Speed	rpm	5000	5000	5000	5000
Main Spindle Motor	KW	4.2	4.2	6.3	4.2
Sub Spindle Motor	KW	3.1	3.1	6.3	4.2
X1/Z1/Y1 Axis Motor	KW	0.75	0.75	1.1	1.1
X2/Z2 Axis Motor	KW	0.75	0.75	1	1
Cooling Pump Motor	KW	0.4	0.4	0.4	0.4
Power Requirement	KW	20KVA	20KVA	25KVA	25KVA
Lubrication Oil Capacity	L	2	2	2	2
Cutting Fluid Capacity	L	200 (100%)	200 (100%)	230 (100%)	230 (100%)
Machine Dimensions (L x W x H)	mm	2400x1380x1850	2400x1380x1850	2980x1680x1960	3120x1680x1960
Weight	KG	2450	2500	3800	3900

MODEL	Unit	SS-206E	SS-266E	SS-326E	SS-386E
Max. Processing Diameter for Main Spindle	mm	20	26	32	38
Max. Processing Diameter for Sub Spindle	mm	20	26	32	38
Max. Processing Length (with Rotary Guide Bushing)	mm	180	180	300	300
Max. Processing Length (without Guide Bushing)	mm	50	50	80	90
Max. Drilling/Tapping Capability of Main Spindle	mm	M10	M10	M12	M12
Max. Drilling/Tapping Capability of Sub Spindle	mm	M8	M8	M10	M10
Max. Lateral Drilling/Tapping Capability	mm	M6	M6	M8	M8
External Tool Holders	pcs	6	6	6	6
Internal Tool Holders	pcs	4	4	4	4
Sub Spindle End Face Power Tool Stations	pcs	4	4	4	4
Number of Control Axes (Including C Axis)	pcs	8	8	8	8
Main/Sub Spindle Speed	rpm	8000	8000	7000	6000
X1/Z1/Y1/Z2/X2 Axis Rapid Feed Rate	m/min	20/24	20/24	-	-
X1/Z1/Y1/Z2 Axis Rapid Feed Rate	m/min	-	-	24/30	24/30
S1 Lateral Drill Speed	rpm	5000	5000	5000	5000
S1 Lateral Tool Motor	KW	0.75	0.75	1.2	1.2
S2 End Face Tool Motor	KW	0.75	0.75	1.2	1.2
S2 End Face Drill Speed	rpm	5000	5000	5000	5000
Main Spindle Motor	KW	4.2	4.2	6.3	4.2
Sub Spindle Motor	KW	3.1	3.1	6.3	4.2
X1/Z1/Y1 Axis Motor	KW	0.75	0.75	1.1	1.1
X2/Z2/Y2 Axis Motor	KW	0.75	0.75	1	1
Cooling Pump Motor	KW	0.4	0.4	0.4	0.4
Power Requirement	KW	20KVA	20KVA	25KVA	25KVA
Lubrication Oil Capacity	L	2	2	2	2
Cutting Fluid Capacity	L	200 (100%)	200 (100%)	230 (100%)	230 (100%)
Machine Dimensions (L x W x H)	mm	2550x1380x1850	2550x1380x1850	3000x1680x1960	3120x1680x1960
Weight	KG	3000	3100	3900	3950

SS-205E/265E/325E/385E

STANDARD ACCESSORIES	OPTIONAL ACCESSORIES
External tool holder (6 tools)	Hydraulic bar feeder
Main/sub-spindle Inner tool holder (4 tools)	Chip conveyor & cart
Cross drilling tool holder (4 tools)	Plug-in power head on the back axle
Dual C-axis	Electrical cabinet air conditioning
Sub-spindle fixed tool holder (4 tools)	Whirling Threading Unit
Lubrication device	Milling tooth plate
Parts catcher & conveyor (Conveyor belt included)	Cut-off inspection
Mechanical pads*6 pcs	Long parts catcher (Sub-spindle)
Coolant device	Oil mist collector
Working lamp	Finished product conveyor belt (add-on)
Tools & tool box	High pressure coolant system 70 bars
Operation manual	Mitsubishi System
NC control operation manual	Fanuc system SS-205E/265E/325E/385E
NC control maintenance manual	Shake chip breaking
Tool overload shutdown system	Deep hole drill holder type 32/38 is suitable
Transformer	Side-turning end face eccentric drilling, tapping tool holder (3 stations each of the main and auxiliary spindles)
Non-guide bushing holder	
Synchronous rotary guide sleeve	
Pressure pusher*2 sets	
Guide bushing	
Spindle collet 2 pcs	
Coolant inspection (Electronic type)	
Sub-spindle fixed tool holder 4 pcs	
The counter-spindle machining toolholder power motor	

SS-206E/266E/326E/386E

STANDARD ACCESSORIES	OPTIONAL ACCESSORIES
External tool holder (6 tools)	Hydraulic bar feeder
Main/sub-spindle Inner tool holder (4 tools)	Chip conveyor & cart
Cross drilling tool holder (4 tools)	Plug-in power head on the back axle
Dual C-axis	Electrical cabinet air conditioning
Sub-spindle fixed tool holder (8 tools)	Whirling Threading Unit
Lubrication device	Milling tooth plate
Parts catcher & conveyor (Conveyor belt included)	Cut-off inspection
Mechanical pads*6 pcs	Long parts catcher (Sub-spindle)
Coolant device	Oil mist collector
Working lamp	Finished product conveyor belt (add-on)
Tools & tool box	High pressure coolant system 70 bars
Operation manual	Mitsubishi System
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NC control maintenance manual	Shake chip breaking
Tool overload shutdown system	Deep hole drill holders
Transformer	Side-turning end face eccentric drilling, tapping tool holder (3 stations each of the main and auxiliary spindles)
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Synchronous rotary guide sleeve	
Pressure pusher*2 sets	
Guide bushing	
Spindle collet 2 pcs	
Coolant inspection (Electronic type)	
Sub-spindle fixed tool holder 4 pcs	
Sub-spindle power tool holder 4 pcs	
The counter-spindle machining toolholder power motor	