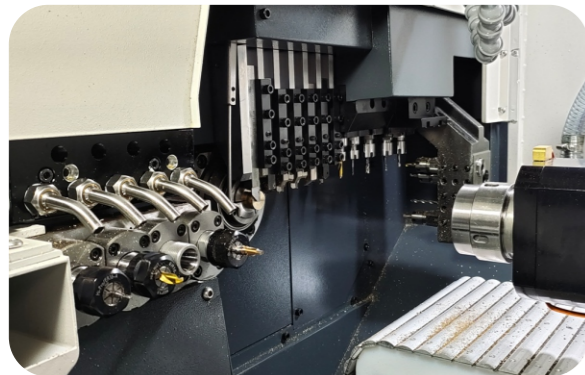


# ST-205

## Swiss Type Automatic Lathe

— Sliding Headstock — counter(sub) spindle

- Machining max. Dia.20/26/32mm,length 240mm workpiece.
- Main and sub- spindle with two-channel control 5-axis.
- Temperature compensation program improve workpiece precision when cold start.
- Moter built in main spindle, Carrier type rotary guide bushing.
- Cut-off tool breakage detector.



ST-265 Standard tool holder with 20 pcs  
Main and sub-spindle with two-channel control.

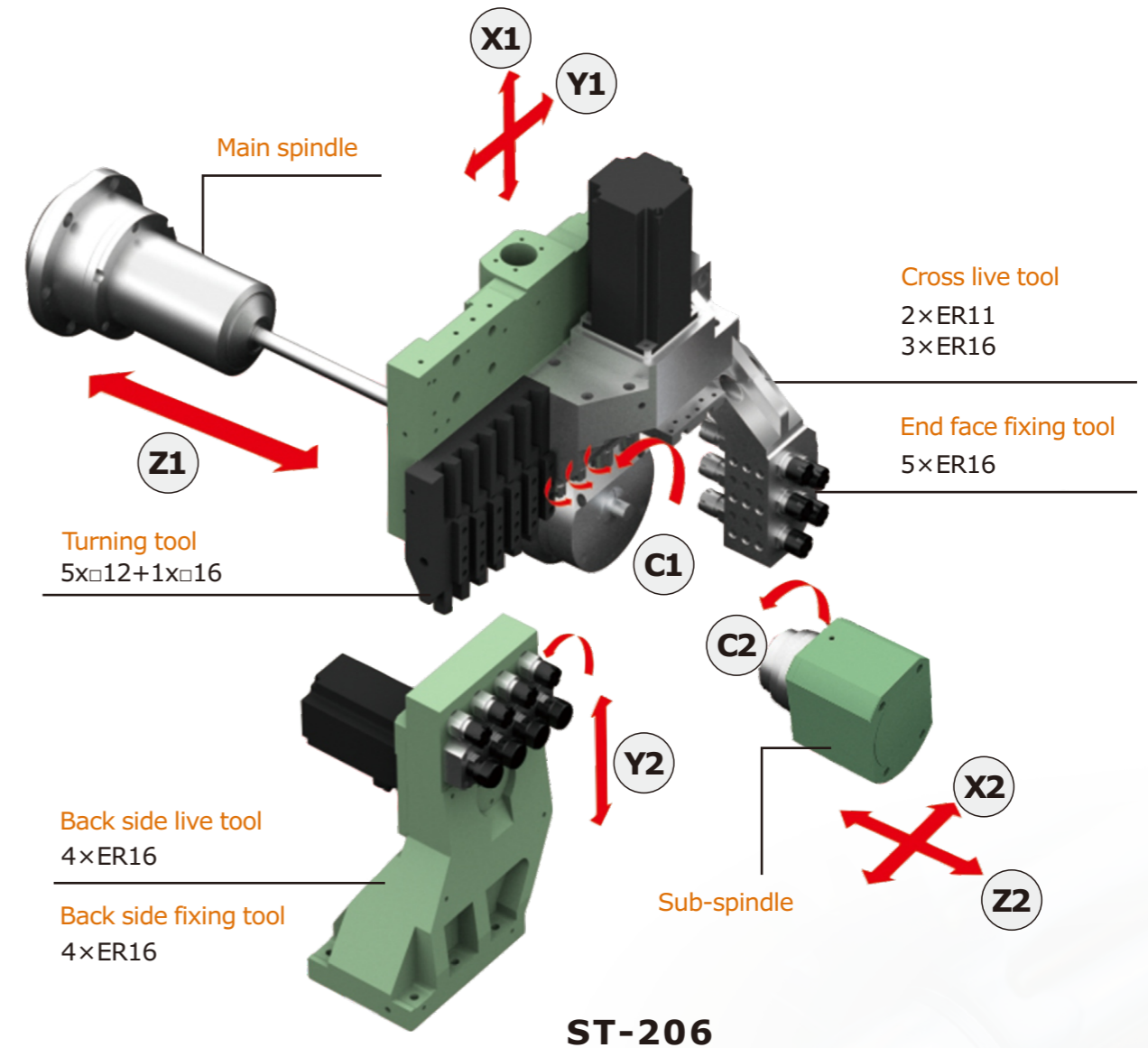


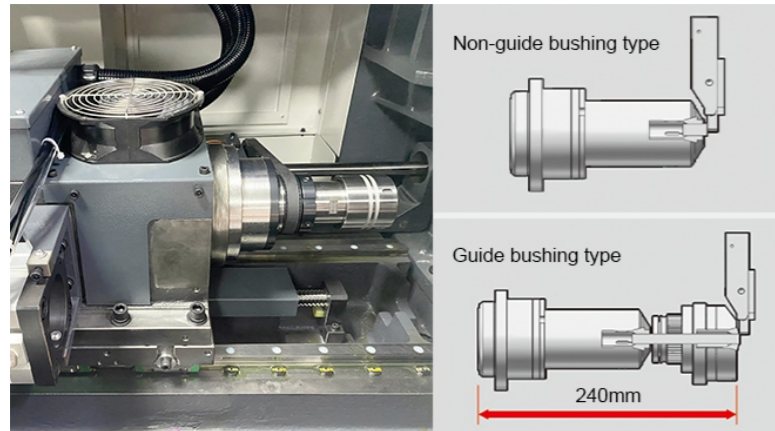
Sub-spindle butt joint workpiece with main spindle.



### Modular tooling :

Model different tool post	I	II	ST-206
Back side fixing tool	4	2	4(Y2)
Back side live tool	/	2	4(Y2)





**Non-guide bushing type is for short workpiece (Max 45mm length)**

**Carrier type rotary, Guide bushing can be more accurate when processing long-size workpieces;**

**SAMPLE MACHINING**



**Standard configuration:**

1. Mitsubishi M80 control system
2. Main spindle chucking unit
3. Sub-spindle chucking unit
4. Rotary guide bushing unit
5. Gang live tool driving unit
6. Coolant unit
7. Lubricating oil supply unit
8. Cut-off tool breakage detector
9. Workpiece receiver
10. Electrical cabinet heat exchange
11. Work lamp
12. Chip box

**Optional configuration**

1. Bar feeder
2. Mist collector
3. Chip conveyor
4. High pressure oil pump
5. Syntec 220TB control system



**Technical Specification :**

		ST-205	ST-265	ST-325	ST-206
Capacity	Max. machining dia.	Φ20mm	Φ26mm	Φ32mm	Φ20mm
	Max. machining length	240mm			
	Max. drilling dia.of front side	Φ10mm		Φ13mm	Φ10mm
	Max. tapping of front side	M8			
	Spindle through-hole dia.	Φ23mm	Φ28mm	Φ38mm	Φ23mm
	Control system	Mitsubishi M80			
Power	Machine power	11kW		15kW	12kW
	Main spindle power	3.7/5.5kW			
	Sub-spindle power	3.7/5.5kW			
	C axis indexing	0.001°			
	Main/sub-spindle speed	8000rpm			
	Feedrate	32(Y1/Z1/×2);24(Z2);20(×1)m/min			32(Y1/X2) 20(X1/Y2) 24(Z1/Z2)m/min
Tool post	Feed motor power	1kW			1 kW(X1/Y1/Z1/X2/Y2/Z2) 0.75kW (Y2)
	Total number of tool	20pcs		19pcs	24pcs
	Gang turning tool	5×□12+1×□16		6×□16	5×□12+1×□16
	Cross live tool	2×ER11+3×ER16		3×ER16+1×ER20	2×ER11+3×ER16
	Max. drilling dia.	Φ10		Φ13	Φ10
	Max. tapping	M8			
Front side tool post	Cross live tool speed	5000rpm			
	Cross live tool power	1kW			
	End face fixing tool qty.	5×ER16		4×ER16	5×ER16
	End face fixing tool dia.	Φ10mm		Φ13mm	Φ10mm
	End face fixing tool tapping	M8			
	Back fixing tool qty.	4×ER16(I) 2×ER16(II)		4×ER16	
Back side tool post	Back fixing tool drilling dia.(I model)	Φ10mm		Φ13mm	Φ10mm
	Back fixing tool tapping (I model)	M8			
	Back live tool qty. (II model)	2×ER16		4×ER16	
	Back live tool drilling dia. (II model)	Φ10mm		Φ13mm	Φ10mm
	Back live tool tapping (II model)	M8			
	Back live tool speed (II model)	5000rpm			
Other	Back live tool power (II model)	1kW			0.75kW
	Machine size L×W×H	2760×1480×1780mm		2890×1500×1780mm	2760×1480×1780mm
	Machine net weight	2600kg		3000kg	2800kg