

# 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.

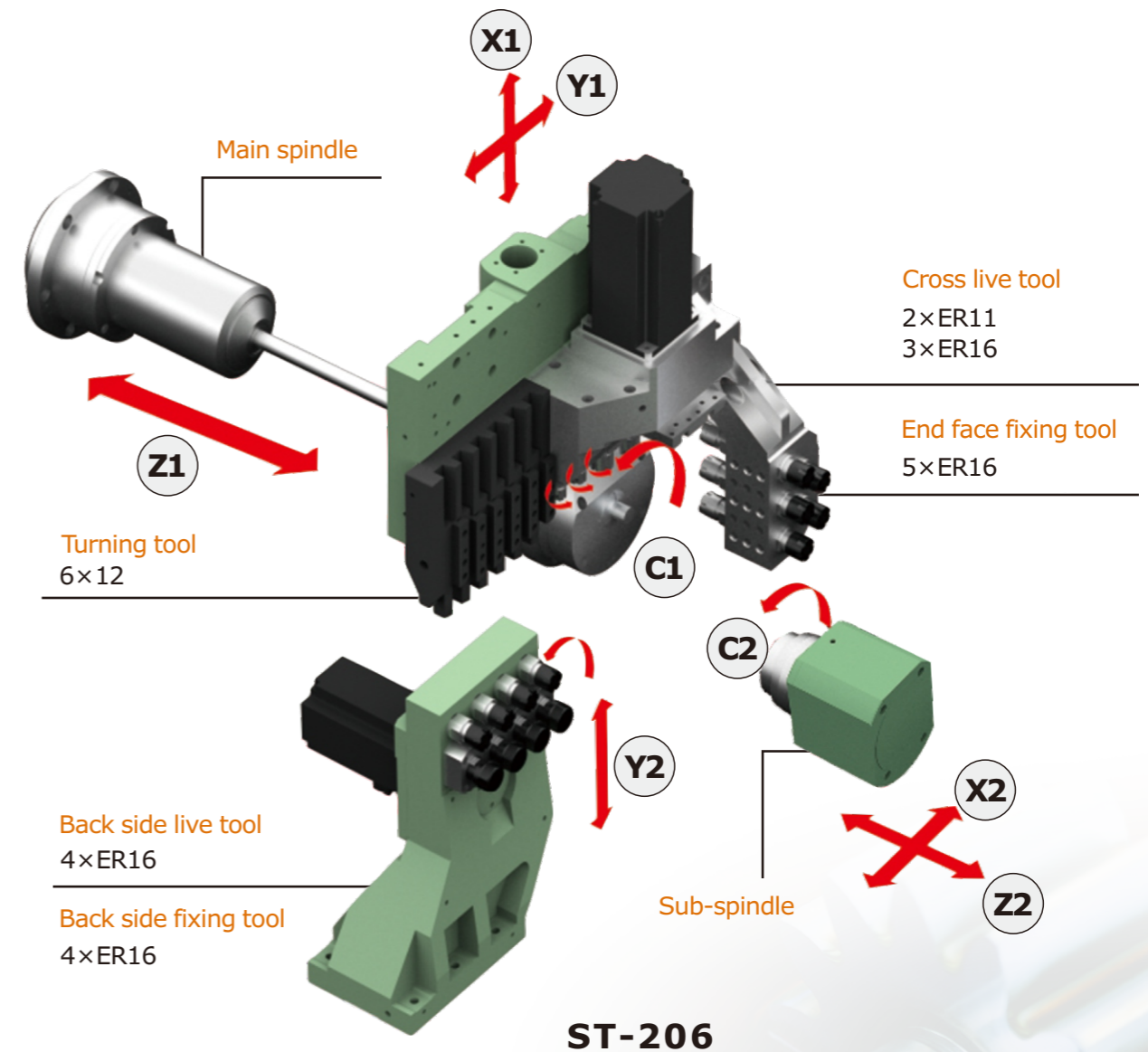


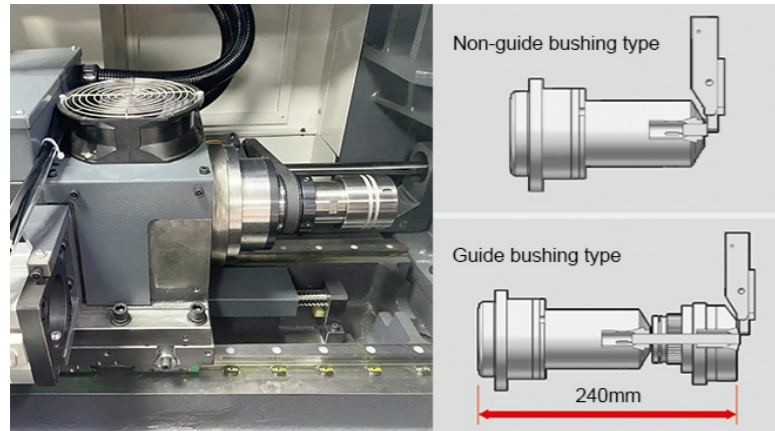
Sub-spindle butt joint workpiece with main spindle.



## 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 :**

Modle	Two-channel	ST-205	ST-265	ST-325
Capacity	Max. machining dia.	Φ20mm	Φ26mm	Φ32mm
	Max. machining length	240mm		
	Max. drilling dia.of front side	Φ10mm		Φ13mm
	Max. tapping of front side	M8		
	Spindle through-hole dia.	Φ23mm	Φ28mm	Φ38mm
Power	Control system	Mitsubishi M80		
	Machine power	11kw		15kw
	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		
Tool post	Feed motor power	1kw		
	Total number of tool	20pcs		19pcs
Front side tool post	Gang turning tool	5×□12+1×□16		6×□16
	Cross live tool	2×ER11+3×ER16		3×ER16+1×ER20
	Max. drilling dia.	Φ10		Φ13
	Max. tapping	M8		
	Cross live tool speed	5000rpm		
	Cross live tool power	1kw		
	End face fixing tool qty.	5×ER16		4×ER16
End face fixing tool dia.	Φ10mm		Φ13mm	
Back side tool post	End face fixing tool tapping	M8		
	Back fixing tool qty.	4×ER16(I) 2×ER16(II)		
	Back fixing tool drilling dia.(I model)	Φ10mm		Φ13mm
	Back fixing tool tapping (I model)	M8		
	Back live tool qty. (II model)	2×ER16		
	Back live tool drilling dia. (II model)	Φ10mm		Φ13mm
	Back live tool tapping (II model)	M8		
Back live tool speed (II model)	5000rpm			
Back live tool power (II model)	1kw			
Other	Machine size L×W×H	2760×1480×1780mm		2890×1500×1780mm
	Machine net weight	2600kg	2800kg	3000kg