

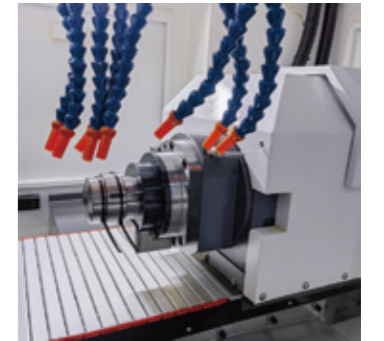
Servo electro-spindle



CSL325 385 inside



CSL326 386 with Y2 axes



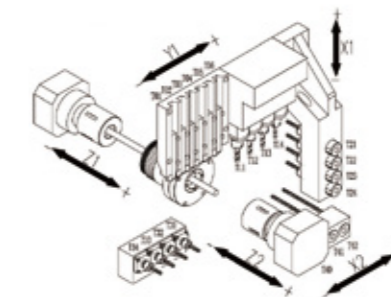
Back spindle



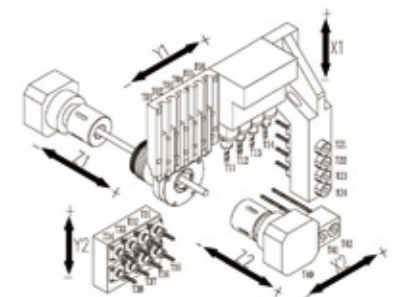
Parts catcher and chip conveyor



SYNTEC 220TB CNC controller



CSL325 385 tools distribution



CSL326 386 tools distribution

Features:

- Dual spindle, total 5 axes(CSL325,385)/6 axes(CSL326,386, mount Y2 axes)
- Adopt JAPANESE technology,most parts adopt GERMANY/JAPAN/TAIWAN brand
- Adopt meehanite resin sand cast iron, after aging treatment, small distortion, good heat stability and high rigidity
- Adopt high precision built-in electro-spindle,NSK/NTN super high precise angle contact ball bearing, achieve spindle's high rigidity and good precision retention,spindle flop $\leq 2\mu\text{m}$
- Adopt JAPAN THK brand high precision ball screw and linear guideway
- Can achieve turning/milling/drilling etc combined machining by side-mounted live tool and C axes
- After mount automatic bar feeder, can realize automatic machining
- Suitable for complex, small-sized,precise,slender axles workpiece machining

Main parts list:

Item	Brand	Item	Brand
CNC controller	TAIWAN-SYNTEC/JAPAN-FANUC	Linear guideway	JAPAN-THK/TAIWAN-PMI
Servo electro-spindle	OWN-MADE	Lubrication system	JAPAN-HERG
Servo motor&driver	TAIWAN-SYNTEC/JAPAN-FANUC	Main electricity parts	FRANCE-SCHNEIDER
Spindle encoder	TAIWAN-SYNTEC/JAPAN-FANUC	Pneumatic parts	TAIWAN-AIRTAC
Spindle bearing	JAPAN-NSK/NTN P4 class	Lock nuts	TAIWAN-YINSH
Ball screw bearing	JAPAN-NSK/NACHI	Shaft coupling	GERMANY-KTR
Ball screw	JAPAN-THK/TAIWAN-PMI		

Standard configuration:

- SYNTEC 22TB/220TB CNC controller
- Rotary guide bushing
- Dual spindle
- Y2 axes(for CSL326/386)
- Parts catcher& convey belt

Optional configuration:

- High pressure coolant system
- Oil mist collection system
- Various plug-in type attachments
- Automatic chip conveyor
- Bar feeder



SWISS-TYPE AUTOMATIC LATHE CSL PRECISE SERIES

BL-CSL325/326/385/386

JAPANESE TECHNOLOGY, DUAL SPINDLE, 5/6 AXES

Specification:

Item	Specification	Unit	BL-CSL325	BL-CSL326	BL-CSL385	BL-CSL386	
Capacity	Max. machineable bar dia.	mm	Φ32(Φ35*)		Φ38		
	Main spindle bore	mm	Φ36(Φ37*)		Φ39		
	Max. machineable length	Rotary guide bushing	mm	310(one time feed)			
		Guide bushless	mm	2.5×ΦD,max. 80		2.5×ΦD,max. 90	
	Max. face drilling dia.(main spindle/back spindle)	mm	Φ13/Φ10				
	Max. face tapping dia.(main spindle/back spindle)	mm	M12/M10				
Main spindle	Main spindle type	/	Servo electro-spindle				
	Main spindle max speed	rpm	8000		6000		
	Main spindle power	kw	6.3(SYNTEC);4.5(FANUC)				
	Main spindle index	/	CS axes(continuation),electromagnetic&mechanical brake				
	O.D. turning tool	mm	6×□16(for max. 35mm bar:1×□20+5×□16)		1×□20+5×□16		
	Main spindle radial type live tool	/	3×ER16+1×ER20				
	Main spindle radial type live tool max speed	rpm	6000(SYNTEC);4800(FANUC)				
	Main spindle radial type live tool power	kw	1.1(SYNTEC);1.2(FANUC)				
	Main spindle radial type live tool max. drilling dia.	mm	Φ10				
	Main spindle radial type live tool max. tapping dia.	mm	M8				
	Main spindle axial static type drilling tool	/	4×ER20				
	Back spindle	Back spindle type	/	Servo electro-spindle			
		Back spindle max speed	rpm	8000			
		Back spindle power	kw	4.2(SYNTEC);3.7(FANUC)			
Back spindle index		/	CS axes(continuation),electromagnetic brake				
Back spindle clamping dia.		mm	Φ3~32		Φ8~38		
Back spindle axial static type drilling tool		/	4×ER16				
Back spindle axial type live tool		mm	2-4×ER16*	4×ER16	2-4×ER16*	4×ER16	
Back spindle axial type live tool max speed		rpm	6000*	6000	6000*	6000	
Back spindle axial type live tool power		kw	1(SYNTEC);0.75(FANUC)*	1(SYNTEC);0.75(FANUC)	1(SYNTEC);0.75(FANUC)*	1(SYNTEC);0.75(FANUC)	
Deep hole drilling holder		/	2×ER16				
Others	Rapid moving speed(X1/Y1/Z1/X2/Y2/Z2)	m/min	24/30/30/30/None/30	24/30/30/30/24/30	24/30/24/30/None/30	24/30/24/30/24/30	
	Repeat positioning accuracy	mm	≤0.003				
	Coolant pump	kw	0.4				
	Overall size	mm	2960×1660×1920		3100×1660×1920		
	N.W.	kg	3800				

* As option