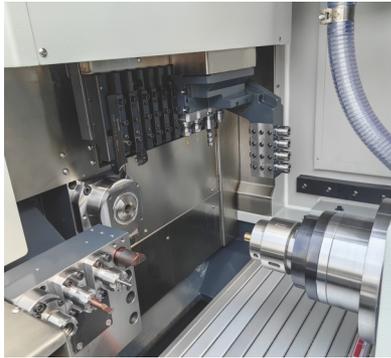
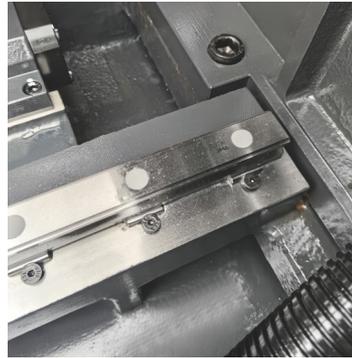


**Features:**

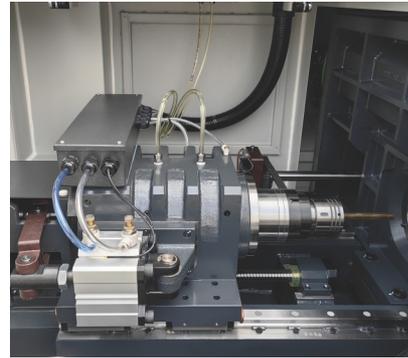
- Dual spindle, total 5 axes
- Adopt JAPANESE technology, similar structure as JAPANESE machine, most parts adopt GERMANY/JAPAN/TAIWAN brand
- Adopt meehanite resin sand cast iron, after aging treatment, small distortion, good heat stability and high rigidity
- Adopt high precision built-in electro-spindle, 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/TAIWAN PMI brand high precision ball screw and linear guideway
- Can achieve turning/milling/drilling etc combined machining by side-mounted live tool and CS axes
- After mount automatic bar feeder, can realize automatic machining
- Suitable for complex, small-sized, precise, slender axles workpiece machining



CSL265 inside



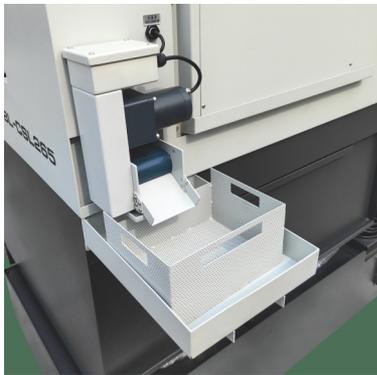
JAPAN THK linear guideway



Servo electro-spindle



Angle live tool holder (opt.)



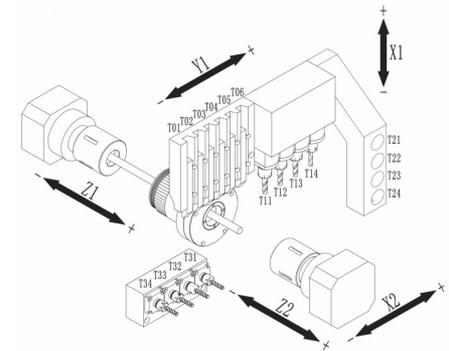
Parts catcher



SYNTEC 220TB CNC controller



FANUC 0i TF CNC controller



Tools distribution

Main parts list:

Item	Brand	Item	Brand
CNC controller	TAIWAN-SYNTEC/JAPAN-FANUC/JAPAN-MITSUBISHI	Linear guideway	JAPAN-THK/TAIWAN-PMI
Servo electro-spindle	OWN-MADE	Lubrication system	JAPAN-HERG
Servo motor&driver	TAIWAN-SYNTEC/JAPAN-FANUC/JAPAN-MITSUBISHI	Main electricity parts	FRANCE-SCHNEIDER
Spindle encoder	TAIWAN-SYNTEC/TAIWAN GUBOA/JAPAN-MITSUBISHI	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 CNC controller
- Rotary guide bushing
- Parts catcher& convey belt

Optional configuration:

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

Specification:

Item	Specification	Unit	BL-CSL205	BL-CSL265	
Capacity	Max. machineable bar dia.	mm	Φ20	Φ26	
	Main spindle bore	mm	Φ25	Φ30	
	Max. machineable length	Rotary guide bushing	mm	180(one time feed)	
		Guide bushless	mm	2.5×ΦD, max. 50	
	Max. face drilling dia.(main spindle/back spindle)	mm	Φ10		
	Max. face tapping dia.(main spindle/back spindle)	mm	M10/M8		
Main spindle	Main spindle type	/	Servo electro-spindle		
	Main spindle max speed	rpm	10000(Rotary guide bushing 8000)		
	Main spindle power	kw	4.2(SYNTEC);3.7(FANUC);2.5(MITSUBISHI)		
	Main spindle index	/	CS axes(continuation),electromagnetic brake		
	O.D. turning tool	mm	1×□16+5×□12		
	Main spindle radial type live tool	/	2×ER11+2×ER16		
	Main spindle radial type live tool max speed	rpm	6000		
	Main spindle radial type live tool power	kw	1(SYNTEC);0.75(FANUC,MITSUBISHI)		
	Main spindle radial type live tool max. drilling dia.	mm	Φ8		
	Main spindle radial type live tool max. tapping dia.	mm	M6		
	Main spindle axial static type drilling tool	/	4×ER16		
Back spindle	Back spindle type	/	Servo electro-spindle		
	Back spindle max speed	rpm	10000		
	Back spindle power	kw	3.1(SYNTEC, FANUC,MITSUBISHI)		
	Back spindle index	/	CS axes(continuation),electromagnetic brake		
	Back spindle clamping dia.	mm	Φ2~20	Φ2~26	
	Back spindle axial static type drilling tool	/	4×ER16+1×Φ20		
	Back spindle axial type live tool	/	2/3×ER16*		
	Back spindle axial type live tool max speed	rpm	6000*		
Back spindle axial type live tool power	kw	0.75(SYNTEC,FANUC,MITSUBISHI)*			
Others	Rapid moving speed(X1/Y1/Z1/X2/Z2)	m/min	20/24/24/24/24		
	Repeat positioning accuracy	mm	≤0.003		
	Coolant pump	kw	0.4		
	Overall size	mm	2380×1300×1770		
	N.W.	kg	2500		

* As option