



SWISS-TYPE AUTOMATIC LATHE CSL PRECISE SERIES

BL-CSL205H/206H/265H/266H

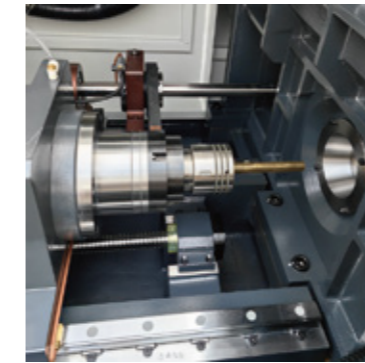
JAPANESE TECHNOLOGY, DUAL SPINDLE, 5/6 AXES, HEAVY-DUTY TYPE



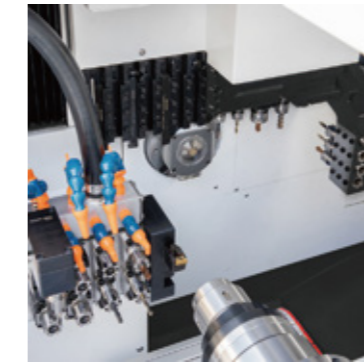
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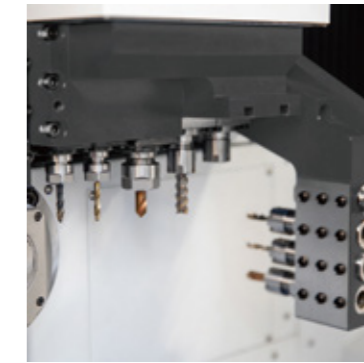
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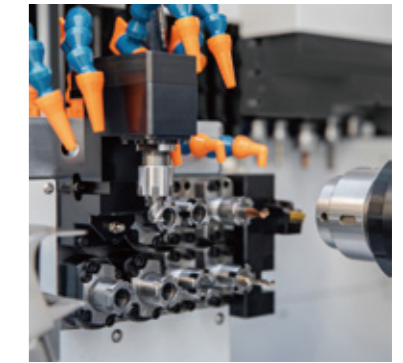
Spindle



CSL206H 266H Inside



Main spindle radial live tools



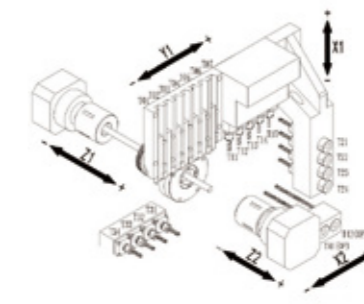
CSL206H 266H with Y2 axes



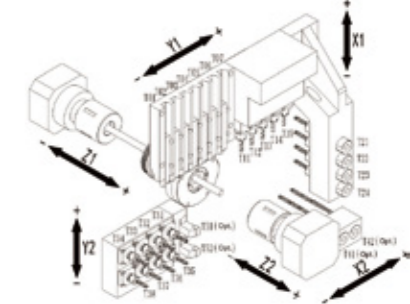
MITSUBISHI M80



SCHNEIDER brand electricity parts



CSL205H 265H tools distribution



CSL206H 266H 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/JAPAN-FANUC/JAPAN-MITSUBISHI	Pneumatic parts	TAWAN-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 CSL206H/266H)
- Parts catcher& convey belt

Optional configuration:

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

Features:

- "H" means HEAVY-DUTY type
- Dual spindle, total 5 axes(CSL205H,265H)/6 axes(CSL206H, 266H, mount Y2 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

Specification:							
Item	Specification	Unit	BL-CSL205H	BL-CSL206H	BL-CSL265H	BL-CSL266H	
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				
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);3.7(MITSUBISHI)				
	Main spindle index	/	CS axes(continuation),electromagnetic brake				
	O.D. turning tool	mm	1×□16+6×□12				
	Main spindle radial type live tool	/	2×ER11+3×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	4.2(SYNTEC);3.7(FANUC);3.7(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				
Back spindle axial type live tool		/	2/3×ER16*	4×ER16	2/3×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,MITSUBISHI)*	1(SYNTEC); 0.75(FANUC,MITSUBISHI)	1(SYNTEC); 0.75(FANUC,MITSUBISHI)*	1(SYNTEC); 0.75(FANUC,MITSUBISHI)		
Others	Rapid moving speed(X1/Y1/Z1/X2/Y2/Z2)	m/min	20/24/24/24/none/24	20/24/24/24/20/24	20/24/24/24/none/24	20/24/24/24/20/24	
	Spindle runout	mm	≤0.002				
	Repeat positioning accuracy	mm	≤0.003				
	Coolant pump	kw	0.4				
	Overall size	mm	2565×1350×1850				
	N.W.	kg	3000	3100	3000	3100	

* As option