

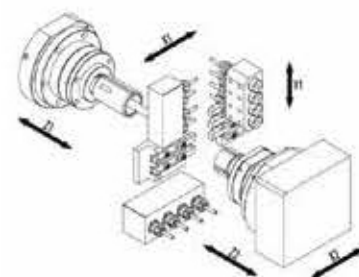
CNC Swiss Lathes



1. Jointly designed in Switzerland and Japan, produced by Chinese OEM.
2. Control system: Standard SYNTEC. Optional FANUC or MITSUBISHI.
3. High precision electro spindle, spindle runout $\leq 2\mu\text{m}$.
4. All feeding axes are driven by servo motors, with high precision linear guide way, repeat positioning accuracy $\leq 3\mu\text{m}$.
5. The best lathe for machining medical parts, probe/connector pins, watch parts and ultra-small-diameter components.
6. Space-saving design, compact structure, high-speed stability.



CNC Swiss Lathes

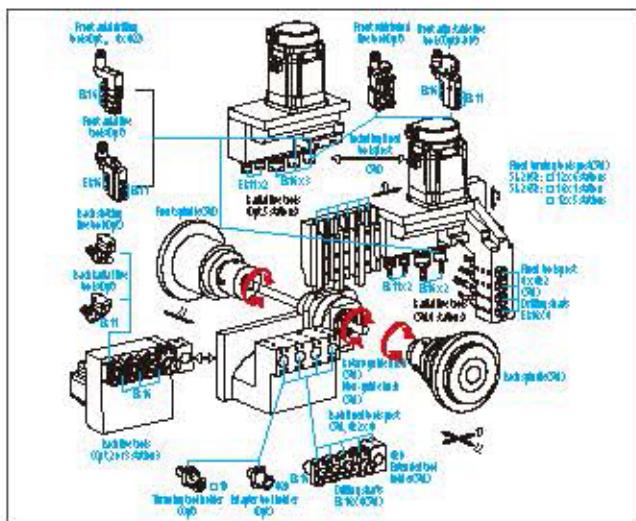


MODEL	UNIT	SL-046A	SL-076A	SL-125A
Max. turning dia.	mm	Ø4	Ø7	Ø12
Spindel bore	mm	Ø10	Ø10	Ø16
Main spindle speed	rpm	20000	12000	10000
Sub spindle speed	rpm	20000	12000	10000
Cross live tools speed	rpm	8000	12000	6000
Max. machining length	Rotary guide bush	mm	30	55
	Fixed guide bush	mm	40	120
	No bushing	mm	2-3xD	Max.30. 2.5xD
Rapid feed rate	m/min	30	30	X1:24 X2/Y1/Z1/Z2:30
O.D tools	T	7	6	5x □10
Front tools	T	4	4	4x ER11
Cross tools	T	2	3	4x ER11
Back tools	T	4	4	4x ER11
Main spindle motor power	kW	0.5/0.75	2.0	1.5
Sub spindle motor power	kW	0.5/0.75	1.0	1.5
Cross live tool motor power	kW	0.1	0.4	0.75
Coolant motor power	kW	0.06	0.2	0.25
Overall dimensions	mm	1500x540x1650	1700x1200x1680	2100x1100x1700
Weight	kg	1150	1500	1900

CNC Swiss Lathes



1. Control system: Standard SYNTEC. Optional FANUC or MITSUBISHI.
2. High precision electro spindle, spindle runout $\leq 2\mu\text{m}$.
3. Meehanite casting; Integrated bed and carriage, with high rigidity.
4. All feeding axes are driven by servo motors, with high precision linear guideway, repeat position accuracy $\leq 3\mu\text{m}$.
5. With guide bushing and without guide bushing fast exchange.



CNC Swiss Lathes

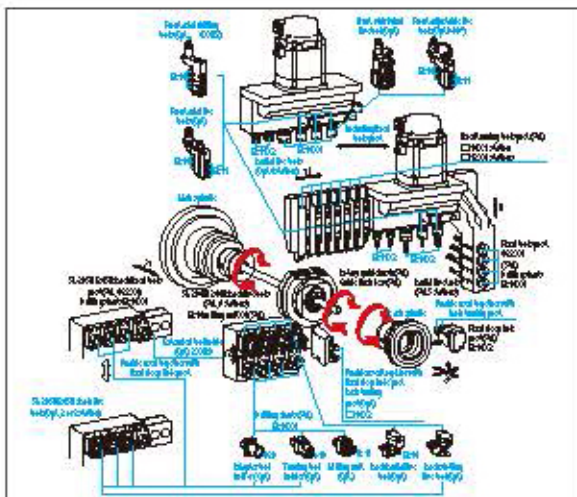


MODEL	UNIT	SL-205A	SL-265A
Max. turning dia.	mm	∅ 20	∅ 26
Spindle bore	mm	∅ 25	∅ 30
Main spindle speed	rpm	10000 (Rotary guide bushing 9000)	10000 (Rotary guide bushing 8000)
Sub spindle speed	rpm	10000	10000
Cross live tool speed	rpm	5000	5000
Max. machining length	Rotary guide bush	mm	180
	Non guide bush	mm	Max. 50, 2.5xD
Rapid feed rate	m/min	24(X2, Y1, Z1, Z2)	
		20(X1)	
O.D. tools	T	6x[□12]	1x[□16] + 5x[□12]
Front tools	T	4x[ER16]	
Cross tools	T	2x[ER11] + 2x[ER16]	
Back tools	T	4x[ER16] + 1x[∅ 20]	
Main spindle motor power	kW	4.2	
Sub spindle motor power	kW	3.1	
Cross live tool motor power	kW	1	
Coolant motor power	kW	0.4	
Overall dimensions	mm	2380x1300x1770	
Weight	kg	2400	

CNC High Rigidity Swiss Lathes



1. Heavy-duty and high rigidity integrated bed and carriage; Meehanite casting. Upgraded version of SL-205A/265A.
2. Control system: Standard SYNTEC. Optional FANUC or MITSUBISHI.
3. High precision electro spindle, spindle runout $\leq 2\mu\text{m}$.
4. All feeding axes are driven by servo motors, with high precision linear guide way, repeat positioning accuracy $\leq 3\mu\text{m}$.
5. With guide bushing and without guide bushing fast exchange.



CNC High Rigidity Swiss Lathes

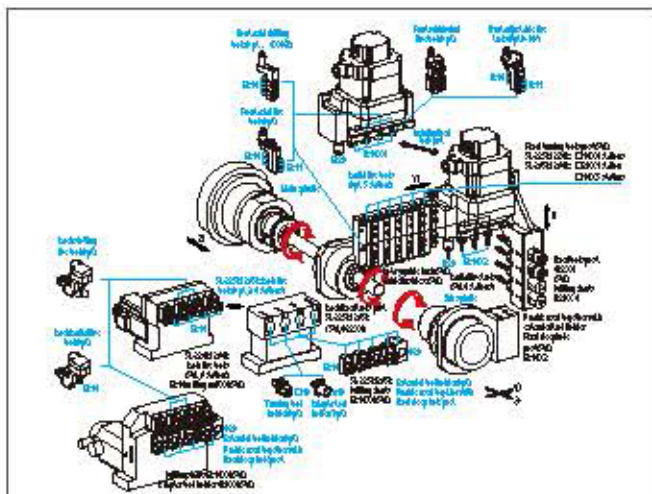


MODEL	UNIT	SL-205H	SL-206H	SL-265H	SL-266H
Max. turning dia.	mm	∅ 20		∅ 26	
Spindle bore	mm	∅ 25		∅ 30	
Main spindle speed	rpm	10000 (Rotary guide bushing 8000)		10000 (Rotary guide bushing 8000)	
Sub spindle speed	rpm	10000		10000	
Cross live tool speed	rpm	6000		6000	
Max. machining length	Rotary guide bush	mm	180	180	
	Non guide bush	mm	Max.50, 2.5xD	Max.50, 2.5xD	
Rapid feed rate	m/min	24(X2, Y1, Z1, Z2)		24(X2, Y1, Z1, Z2)	
	m/min	20(X1)	20(X1, Y2)	20(X1)	20(X1, Y2)
O.D tools	T	1x[□16]+6x[□12]		1x[□16]+6x[□12]	
Front tools	T	4x[ER16]		4x[ER16]	
Cross tools	T	2x[ER11] + 3x[ER16]		2x[ER11] + 3x[ER16]	
Back tools	T	4x[ER16](Fixed)	4x[ER16](Fixed) 4x[ER16](Rotary)	4x[ER16](Fixed)	4x[ER16](Fixed) 4x[ER16](Rotary)
Main spindle motor power	kW	4.2		4.2	
Sub spindle motor power	kW	4.2		4.2	
Cross live tool motor power	kW	1		1	
Coolant motor power	kW	0.4		0.4	
Overall dimensions	mm	2565x1350x1850		2565x1350x1850	
Weight	kg	2900	3000	2900	3000

CNC Swiss Lathes



1. Control system: Standard SYNTEC. Optional FANUC or MITSUBISHI.
2. High precision electro spindle, spindle runout $\leq 2\mu\text{m}$.
3. Meehanite casting; integrated bed and carriage, high rigidity.
4. All feeding axes are driven by servo motors, with high precision linear guideway, repeat position accuracy $\leq 3\mu\text{m}$.
5. With guide bushing and without guide bushing fast exchange.
6. SL-426A, SL-486A on request.



CNC Swiss Lathes

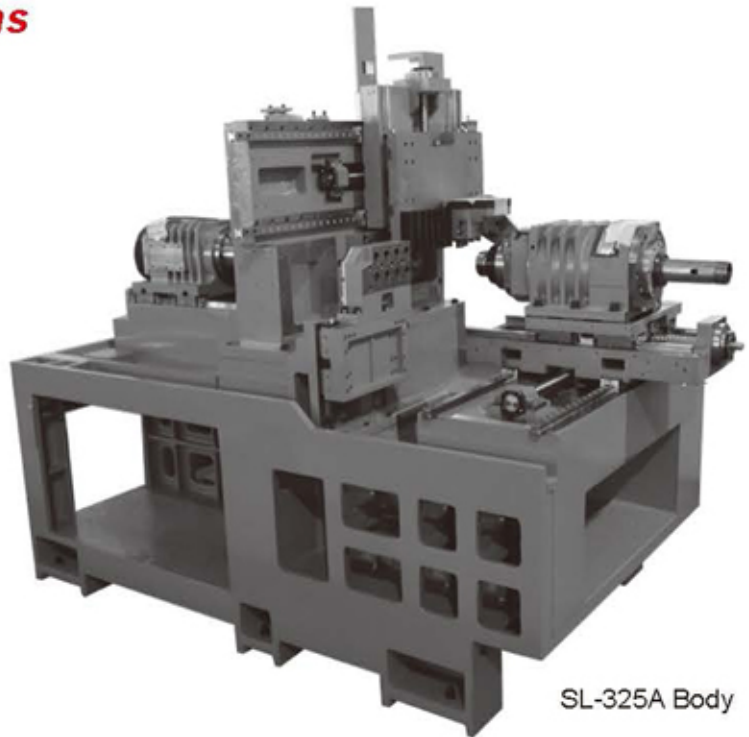


MODEL	UNIT	SL-325A	SL-326A	SL-385A	SL-386A
Max. turning dia.	mm	Ø 32		Ø 38	
Spindle bore	mm	Ø 36		Ø 39	
Main spindle speed	rpm	8000 (Rotary guide bushing 6000)		5000 (Rotary hydraulic cylinder)	
Sub spindle speed	rpm	8000		8000	
Cross live tool speed	rpm	6000		6000	
Max. machining length	Rotary guide bush	mm	310	310	
	Non guide bush	mm	Max.90. 2.5xD	Max.90. 2.5xD	
Rapid feed rate	m/min	30(X2, Y1, Z1, Z2)		30(X2, Y1, Z2)	
		24(X1)	24(X1, Y2)	24(X1, Z1)	24(X1, Y2, Z1)
O.D tools	T	6x(□16)		1 x (□20)+5 x (□16)	
Front tools	T	4x(ER20)		4x(ER20)	
Cross tools	T	1x(ER20) + 3x(ER16)		1x(ER20) + 3x(ER16)	
Back tools	T	4x(ER16)(Fixed)	4x(ER16)(Fixed) 4x(ER16)(Rotary)	4x(ER16)(Fixed)	4x(ER16)(Fixed) 4x(ER16)(Rotary)
Main spindle motor power	kW	6.3		6.3	
Sub spindle motor power	kW	4.2		4.2	
Cross live tool motor power	kW	1.1		1.1	
Coolant motor power	kW	0.4		0.4	
Overall dimensions	mm	2960x1660x1920		3100x1660x1920	
Weight	kg	3750		3850	

Various Configuration Options



SL-265A Body



SL-325A Body



70 Bar high pressure pump



Chip conveyor



Electrostatic oil mist filter



Tool holders & Collets

Various Configuration Options

