



Company profile

The company is committed to research and development of precision gear hobbing machine, precision gang tool CNC lathe, precision Swiss-type CNC lathe and precision turning-milling compound center four categories products, to provide users with high-quality products and services.

The company covers an area of 35,000 square meters, with plant area of 40,000 square meters, have more than 150 employees.

The company has a number of high-precision machining equipment and testing instruments, there has one OKUMA Five-sided Portal Milling Machine(Okuma MCR-A5CII), Taiwan BOYA Precision Gantry Grinder and multiple Japanese MAKINO high-precision horizontal machining center, Swiss STUDER high precision universal machine, multiple Japanese TAIYO KOKI CNC grinding machines, German DMG precision CNC lathe, Taiwan KENT precision surface grinding machine, German ZEISS coordinate measuring instrument, British RENISHAW dual-frequency laser interferometer, Japanese TTI gear testing center, German SCHENCK smart balancer-online dynamic instrument and component dynamic balancer instrument, Japanese Mitutoyo high-precision roughness measuring instrument and profilometer and other technical instruments provides strong foundation guarantee for product advanced and intelligent manufacturing .



Wider range of applications

We are based on long-term meticulous scientific research and advanced management concepts, we use sophisticated production and testing equipment to continuously bring high-quality precision machine tools to the market. Every bit we have done seriously is creating more precise CNC experience for customers. We insist on taking the professional route and determine to strive for the market with leading technical skills, excellent product quality, perfect and thoughtful service. Our precision machine tools are currently developing, have won the praise of customers praise for excellent performance and highly competitive prices. We have expanded our product applications to pneumatic, communication, valves, fishing gear, mobile phones, auto parts, medical and other fields. We will actively expand manufacturing capabilities and product series, and formulate long-term development strategies to create perfection and harmony with excellent quality and service.



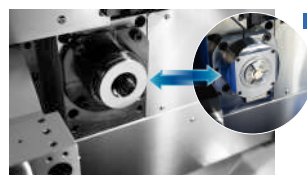
- High-performance Meehanite cast iron

All series of castings are made of high performance Meehanite cast iron, with finite element analysis technology, and the castings have aged treatment, which provides strong basic guarantee for machine tool high rigidity, high precision and high stability. The low-stress deformation characteristic of Meehanite cast iron are the key factors for machine tools long-lasting precision.



- High precision oil-cooled electro-spindle

All series of standard with factory developed high-precision oil-cooled electric spindle, which improves the spindle indexing accuracy through built-in high-precision spindle encoder; The internal motor temperature is controlled by high-precision industrial oil cooler, which greatly reduces the thermal deformation of the spindle box.



- Convenient and flexible guide bush structure

All series can realize the quick switching between guide bush and guide bushless, the system has a built-in quick mode switching interface, which can easily and quickly realize the best machining mode of the workpiece.



- Various styles of live tool options

A variety of optional live tool components, which can easily and flexibly meet the composite processing of complex shaped parts.

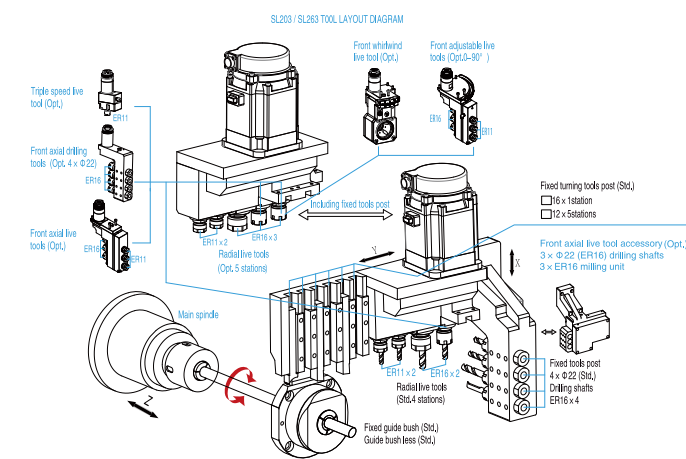


- Pleasant operation

Swing arm operation box with external handwheel, adjustable machine to tool operation freely; 10.4 inch high speed and high precision controller, equipped with multiple self-developed user interfaces, significantly enhances the operational efficiency and user-friendliness of Swiss-type lathes.



OEM
SWISS-TYPE CNC LATHE



DL203/DL263

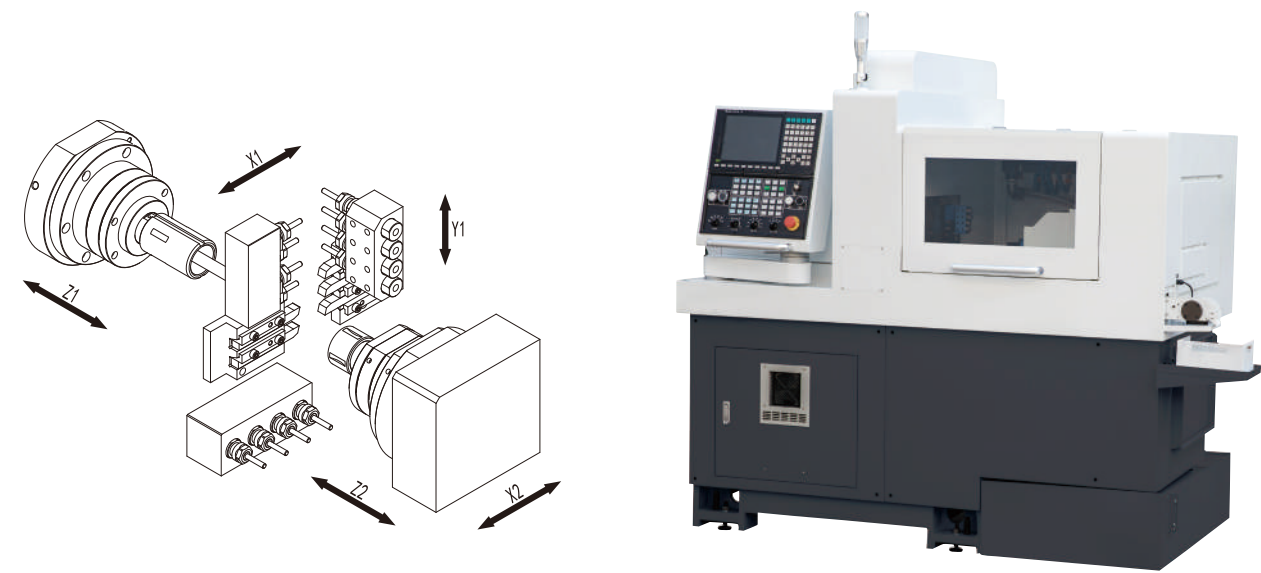
- **Standard Configuration**

OEM configuration	Bare machine configuration	Brand
8.4-inch control system	— —	SYNTEC
Absolute position servo	— —	SYNTEC
Electrical components	— —	SCHNEIDER
Electric spindle	Include	Self-manufactured
Spindle encoder	Include	SYNTEC
Spindle bearing	Include	NSK(Japan)
Import ball screw and guideway	Include	PMI/THK
Shaft coupling	— —	KTR(Germany)
Lock nuts	Include	YINSH(Taiwan)
Spindle clamping device	Include	Self-manufactured
Receiving device	— —	Self-manufactured
Lubrication system	Without lubrication pump	HERG(Japan)
Cooling system	Without cooling pump	ROCOI
Pneumatic system	Include	AIRTAC
LED lighting device	— —	LANGRUI
LED three-color alarm light	— —	ODEN
Fully enclosed guards	Include	Self-manufactured
Foot spacers and screws	Include	Self-manufactured
Randomized tools	Include	Self-manufactured

Note: Parameters are subject to change without notice.

- **Technical Parameter**

Machine type			DL203	DL263
Processing capacity	Maximum machinable bar diameter (mm)		Φ20	Φ26
	Spindle bore diameter (mm)		Φ25	Φ30
	Maximum machining length (mm)	Guide bushless	2.5D(Max.50)	
		Fixed guide bush	220	
		Rotary guide bush	180(Optional)	
	Spindle maximum drilling diameter (mm)		Φ10	
	Spindle maximum tapping diameter		M10	
	Radial live tool maximum drilling diameter (mm)		Φ8	
Radial live tool maximum tapping diameter		M6		
Mechanical capacity	Spindle speed (r/min)		10000(Rotary guide bush 8000)	
	Radial live tool speed (r/min)		6000	
	Fast moving speed (m/min)	20(X)		
		24(Y、Z)		
	Spindle bounce (mm)		≤0.002	
Tool system	Repeated positioning accuracy (mm)		≤0.003	
	O.D.tool		1(□16)+5(□12)	
	Axial machining tool		4(ER16)	
	Radial live tool		2(ER11)+2(ER16)	
	Main spindle (kW)		4.2	
	Motor power	Linear drive axis (kW)		1
Radial live tool (kW)		1		
Cooling pump (kW)		0.26		
Machine weight (kg)			1800	
Machine dimensions (L × W × H) (mm)			1700×1300×1800	



DL125

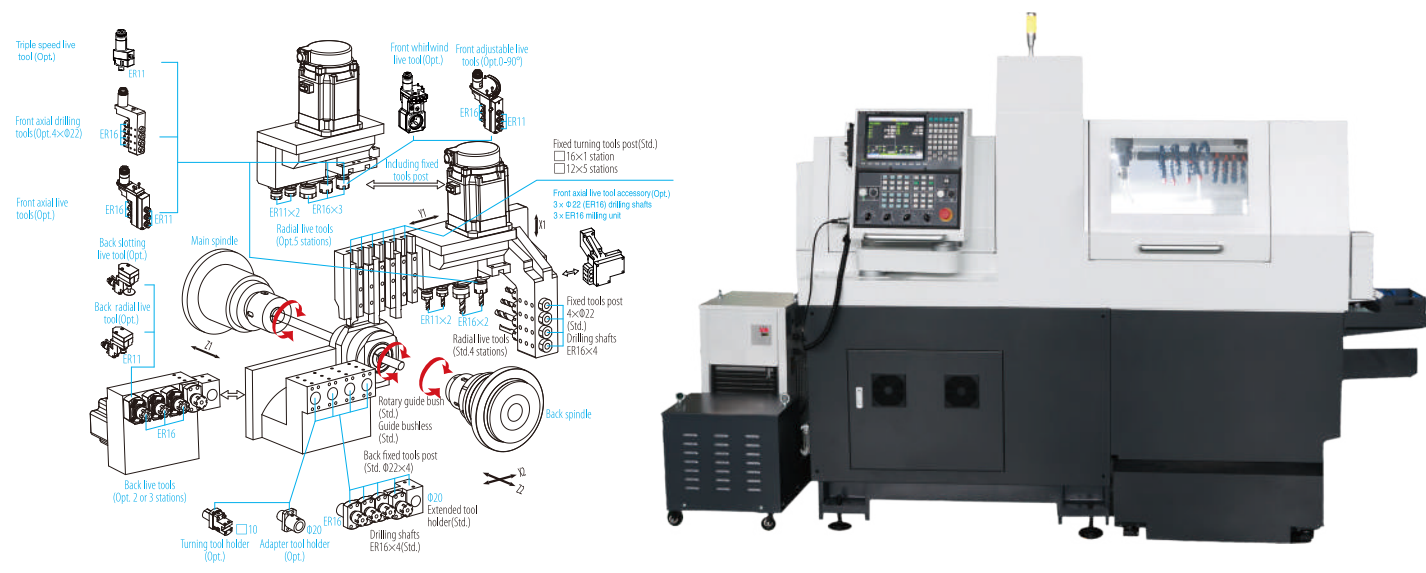
•Standard Configuration

OEM configuration	Bare machine configuration	Brand
10.4-inch dual channel system	--	SYNTEC
External handwheel	--	SHANSEN
Absolute position servo	--	SYNTEC
Electrical components	--	SCHNEIDER
Electric spindle	Include	Self manufactured
Spindle encoder	Include	SYNTEC
Spindle bearing	Include	NSK(Japan)
Import ball screw and guideway	Include	PMI/HIWIN
Shaft coupling	--	KTR(Germany)
Lock nuts	Include	YINSH(Taiwan)
Main spindle clamping device	Include	Self manufactured
Back spindle clamping device	Include	Self manufactured
Fixed guide bushing device	Include	Self manufactured
Without guide bushing device	Include	Self manufactured
Radial live tool	Include	Self manufactured
Back spindle front blanking device	Include	Self manufactured
Part conveyor belt	Include	Import belt
Spindle oil cooler	Include	OPPIN
Lubrication system	Without lubrication pump	HERG(Japan)
Cooling system	Without cooling pump	A-RYUNG
Pneumatic system	Include	AIRTAC
LED lighting device	--	LANGRUI
LED three-color alarm light	--	OUDEN
Fully enclosed guards	Include	Self manufactured
Foot spacers and screws	Include	Self manufactured
Randomized tools	Include	Self manufactured

Note: Parameters are subject to change without notice.

•Technical Parameter

Machine type	DL125
Processing capacity	Maximum machinable bar diameter (mm)
	Φ12
	Spindle bore diameter (mm)
	Φ16
	Maximum machinable length (mm)
	Guide bushless 2.5D(Max.30)
	Fixed guide bush 180
	Rotary guide bush 60
	Back spindle maximum clamping diameter (mm)
	Φ12
Mechanical capacity	Main spindle maximum drilling diameter (mm)
	Φ7
	Main spindle maximum tapping diameter (mm)
	M6
	Back spindle maximum drilling diameter (mm)
	Φ7
	Back spindle maximum tapping diameter (mm)
	M6
	Radial live tool maximum drilling diameter (mm)
	Φ6
Tool system	Radial live tool maximum tapping diameter (mm)
	M5
	Main spindle speed (r/min)
	12000 (Rotary guide bush 8000)
	Back spindle speed (r/min)
	12000
	Radial live tool speed (r/min)
	6000
	Rapid moving speed (m/min)
	30(X2/Y1/Z1) 24(X1/Z2)
Motor power	Main spindle bounce (mm)
	≤0.002
	Repeat positioning accuracy
	≤0.003
	O.D. tool
	5(□10)
	Axial machining tool
	4(ER11)
	Radial live tool
	4(ER11)
Machine weight (kg)	Back machining tool
	4(ER11)
	Main spindle (kW)
	1.5
	Back spindle (kW)
	1.5
	Linear drive axis (kW)
	0.75
	Radial live tool (kW)
	0.75
Machine dimensions (L × W × H) (mm)	Back live tool (kW)
	0.75(Opt.)
	Coolant pump (kW)
	0.25
	1800
	2100 × 1100 × 1700



DL205/SL265

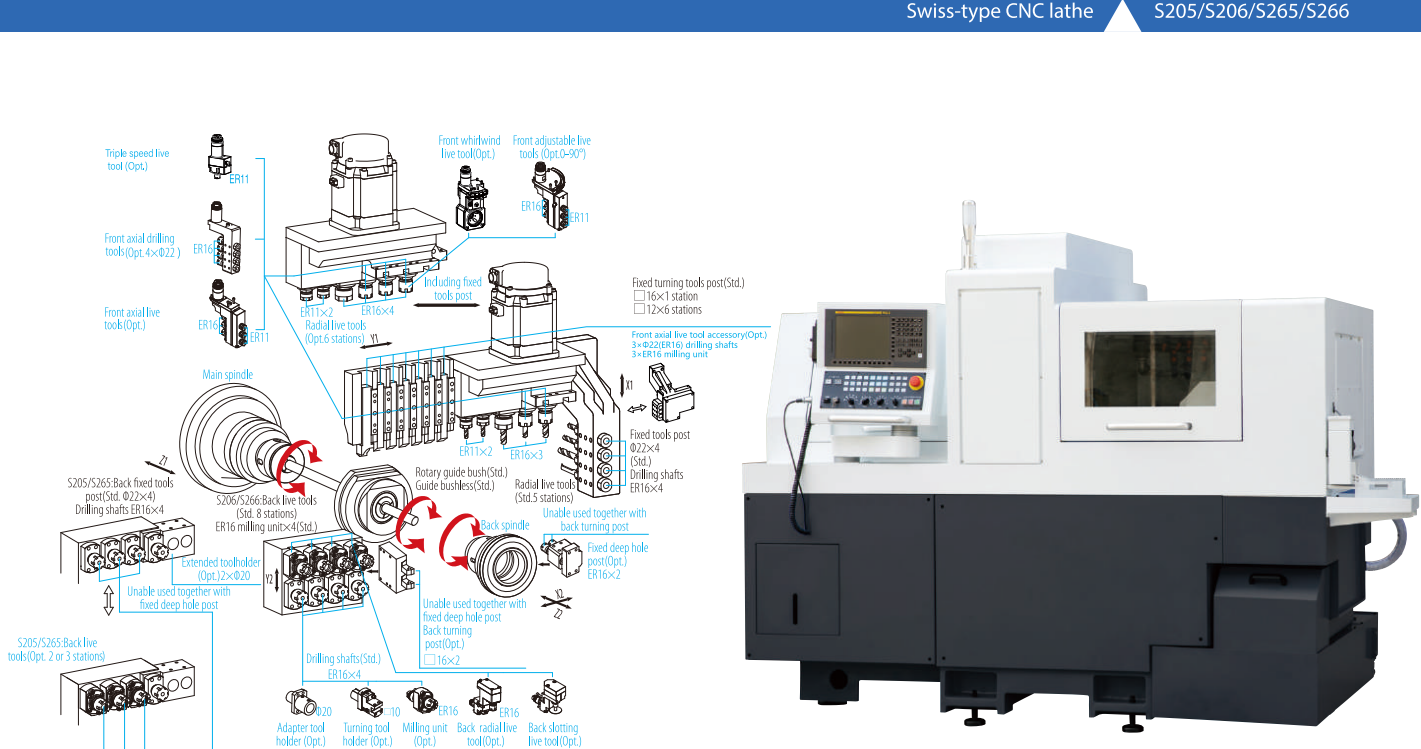
•Standard Configuration

OEM configuration	Bare machine configuration	Brand
10.4-inch dual channel system	--	SYNTEC
External handwheel	--	SHANSEN
Absolute position servo	--	SYNTEC
Electrical components	--	SCHNEIDER
Electric spindle	Include	Self manufactured
Spindle encoder	Include	SYNTEC
Spindle bearing	Include	NSK(Japan)
Import ball screw and guideway	Include	PMI/THK
Shaft coupling	--	KTR(Germany)
Lock nuts	Include	YINSH(Taiwan)
Main spindle clamping device	Include	Self manufactured
Back spindle clamping device	Include	Self manufactured
Rotary guide bushing device	Include	Self manufactured (spline type)
Without guide bushing device	Include	Self manufactured
Radial live tool	Include	Self manufactured
Back spindle front blanking device	Include	Self manufactured
Part conveyor belt	Include	Import belt
Spindle oil cooler	Include	OPPIN
Lubrication system	Without lubrication pump	HERG(Japan)
Cooling system	Without cooling pump	A-RYUNG
Pneumatic system	Include	AIRTAC
LED lighting device	--	LANGRUI
LED three-color alarm light	--	OUDEN
Fully enclosed guards	Include	Self manufactured
Foot spacers and screws	Include	Self manufactured
Randomized tools	Include	Self manufactured

Note: Parameters are subject to change without notice.

•Technical Parameter

Machine type		DL205	DL265
Processing capacity	Maximum machinable bar diameter (mm)	Φ20	Φ26
	Spindle bore diameter (mm)	Φ25	Φ30
	Maximum machinable length (mm)	Guide bushless	2.5D(Max.50)
		Fixed guide bush	220(Optional)
	Rotary guide bush	180	
	Back spindle maximum clamping diameter (mm)	Φ20	Φ26
	Main spindle maximum drilling diameter (mm)	Φ10	
	Main spindle maximum tapping diameter (mm)	M10	
	Back spindle maximum drilling diameter (mm)	Φ10	
	Back spindle maximum tapping diameter (mm)	M8	
Mechanical capacity	Radial live tool maximum drilling diameter (mm)	Φ8	
	Radial live tool maximum tapping diameter (mm)	M6	
	Back live tool maximum drilling diameter (mm)	Φ8(Opt.)	
	Back live tool maximum tapping diameter (mm)	M6(Opt.)	
	Main spindle speed (r/min)	10000 (Rotary guide bush8000)	
	Back spindle speed (r/min)	10000	
	Radial live tool speed (r/min)	6000	
	Back live tool speed (r/min)	6000(Opt.)	
	Rapid moving speed(m/min)	24(X2/Y1/Z1/Z2)	
	Main spindle bounce(mm)	20(X1)	
Tool system	Repeat positioning accuracy	≤0.002	
	O.D. tool	≤0.003	
	Axial machining tool	1(□16)+5(□12)	
	Radial live tool	4(ER16)	
	Back machining tool	2(ER11)+2(ER16)	
	Main spindle(kW)	4(ER16)+1(Φ20)	
	Back spindle(kW)	4.2	
	Linear drive axis(kW)	3.1	
	Radial live tool(kW)	1(X1/X2/Y1/Z1)	
	Back live tool(kW)	0.75(Z2)	
Machine weight (kg)	Coolant pump(kW)	1	
		0.75(Opt.)	
		0.4	
		2400	
	Machine dimensions (L × W × H) (mm)		2380 × 1300 × 1770



DL205/SL206/SL265/SL266

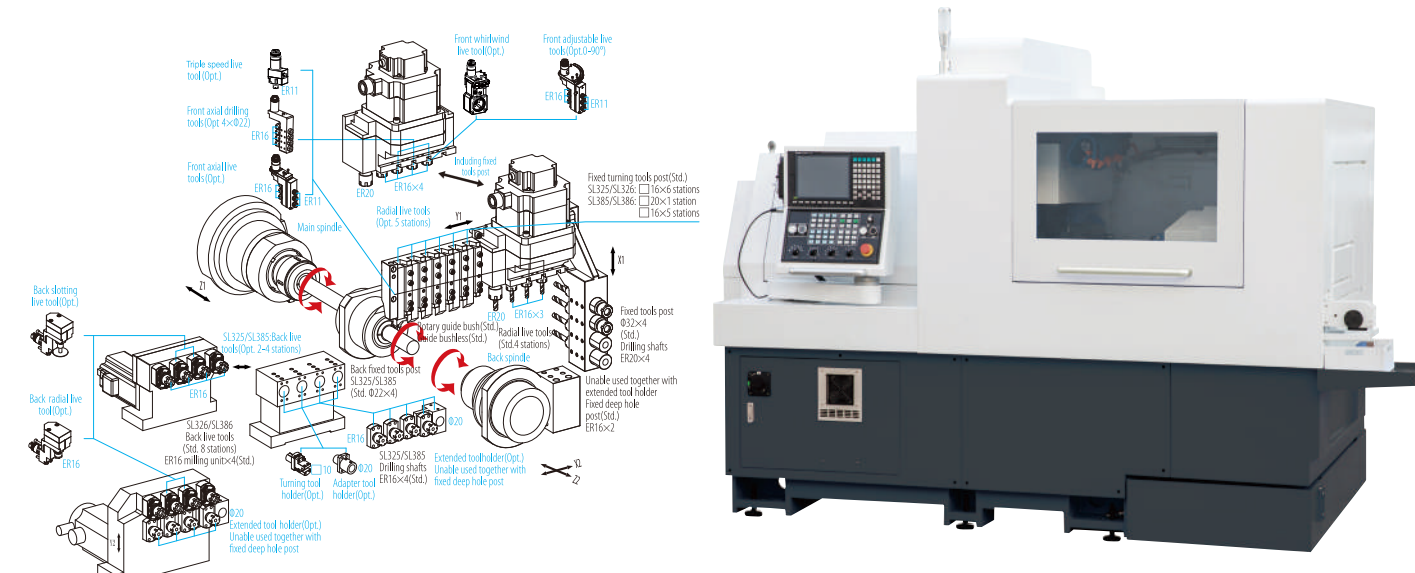
•Standard Configuration

OEM configuration	Bare machine configuration	Brand
10.4-inch dual channel system	--	SYNTEC
External handwheel	--	SHANSEN
Absolute position servo	--	SYNTEC
Electrical components	--	SCHNEIDER
Electric spindle	Include	Self manufactured
Spindle encoder	Include	SYNTEC
Spindle bearing	Include	NSK(Japan)
Import ball screw and guideway	Include	PMI/THK
Shaft coupling	--	KTR(Germany)
Lock nuts	Include	YINSH(Taiwan)
Main spindle clamping device	Include	Self manufactured
Back spindle clamping device	Include	Self manufactured
Rotary guide bushing device	Include	Self manufactured (spline type)
Without guide bushing device	Include	Self manufactured
Radial live tool	Include	Self manufactured
Back spindle front blanking device	Include	Self manufactured
Part conveyor belt	Include	Import belt
Spindle oil cooler	Include	OPPIN
Lubrication system	Without lubrication pump	HERG(Japan)
Cooling system	Without cooling pump	A-RYUNG
Pneumatic system	Include	AIRTAC
LED lighting device	--	LANGRUI
LED three-color alarm light	--	OUDEN
Fully enclosed guards	Include	Self manufactured
Foot spacers and screws	Include	Self manufactured
Randomized tools	Include	Self manufactured

Note: Parameters are subject to change without notice.

•Technical Parameter

Machine type		DL205	DL206	DL265	DL266	
Processing capacity	Maximum machinable bar diameter (mm)	Φ20		Φ26		
	Spindle bore diameter (mm)	Φ25		Φ30		
	Maximum machinable length (mm)	Guide bushless	2.5D(Max.50)			
		Fixed guide bush	220(Optional)			
		Rotary guide bush	180			
	Back spindle maximum clamping diameter (mm)	Φ20		Φ26		
	Main spindle maximum drilling diameter (mm)	Φ10				
	Main spindle maximum tapping diameter (mm)	M10				
	Back spindle maximum drilling diameter (mm)	Φ10				
	Back spindle maximum tapping diameter (mm)	M10				
Mechanical capacity	Radial live tool maximum drilling diameter (mm)	Φ8				
	Radial live tool maximum tapping diameter (mm)	M6				
	Back live tool maximum drilling diameter (mm)	Φ8(Opt.)	Φ8	Φ8(Opt.)	Φ8	
	Back live tool maximum tapping diameter (mm)	M6(Opt.)	M6	M6(Opt.)	M6	
	Main spindle speed (r/min)	10000(Rotary guide bush8000)				
	Back spindle speed (r/min)	10000				
	Radial live tool speed (r/min)	6000				
	Back live tool speed (r/min)	6000(Opt.)	6000	6000(Opt.)	6000	
	Rapid moving speed (m/min)	24(X2/Y1/Z1/Z2)				
		20(X1)	20(X1/Y2)	20(X1)	20(X1/Y2)	
Tool system	Main spindle bounce (mm)	≤0.002				
	Repeat positioning accuracy	≤0.003				
	O.D. tool	1 (□ 16)+6(□ 12)				
	Axial machining tool	4(ER16)				
	Radial live tool	2(ER11)+3(ER16)				
	Deep hole tool holder	2(ER16,Opt.)				
	Back machining tool	4(ER16)	4(ER16)	4(ER16)	4(ER16)	
	Back live tool	Opt. 4(ER16)	Opt. 4(ER16)	Opt. 4(ER16)	Opt. 4(ER16)	
	Back turning tool holder	——	2(□ 16,Opt.)	——	2(□ 16,Opt.)	
	Motor power	Main spindle (kW)	4.2			
Back spindle (kW)		4.2				
Linear drive axis (kW)		1				
Radial live tool (kW)		1				
Back live tool (kW)		1 (Opt.)	1	1 (Opt.)	1	
Coolant pump (kW)		0.4				
Machine weight (kg)		2900	3000	2900	3000	
Machine dimensions (L × W × H) (mm)		2565×1350×1850				



DL325/SL326/SL385/SL386

•Standard Configuration

OEM configuration	Bare machine configuration	Brand
10.4-inch dual channel system	--	SYNTEC
External handwheel	--	SHANSEN
Absolute position servo	--	SYNTEC
Electrical components	--	SCHNEIDER
Electric spindle	Include	Self manufactured
Spindle encoder	Include	SYNTEC
Spindle bearing	Include	NSK(Japan)
Import ball screw and guideway	Include	PMI/THK
Shaft coupling	--	KTR(Germany)
Lock nuts	Include	YINSH(Taiwan)
Main spindle clamping device	Include	Self manufactured
Main spindle disc brake device	Include	Self manufactured
Back spindle clamping device	Include	Self manufactured
Rotary guide bushing device	Include	Self manufactured (spline type)
Without guide bushing device	Include	Self manufactured
Radial live tool	Include	Self manufactured
Back spindle front blanking device	Include	Self manufactured
Part conveyor belt	Include	Import belt
Spindle oil cooler	Include	OPPIN
Lubrication system	Without lubrication pump	HERG(Japan)
Cooling system	Without cooling pump	A-RYUNG
Pneumatic system	Include	AIRTAC
LED lighting device	--	LANGRUI
LED three-color alarm light	--	OUDEN
Fully enclosed guards	Include	Self manufactured
Foot spacers and screws	Include	Self manufactured
Randomized tools	Include	Self manufactured

Note: Parameters are subject to change without notice.

•Technical Parameter

Machine type		DL325	DL326	DL385	DL386
Processing capacity	Maximum machinable bar diameter (mm)	Φ32		Φ38	
	Spindle bore diameter (mm)	Φ37		Φ39	
	Maximum machinable length (mm)	Guide bushless 2.5D(Max.80)		2.5D(Max.90)	
		Rotary guide bush		310	
	Back spindle maximum clamping diameter (mm)	Φ32		Φ38	
	Main spindle maximum drilling diameter (mm)	Φ13			
	Main spindle maximum tapping diameter	M12			
	Back spindle maximum drilling diameter (mm)	Φ10			
	Back spindle maximum tapping diameter	M10			
	Radial live tool maximum drilling diameter (mm)	Φ10			
Radial live tool maximum tapping diameter	M8				
Back live tool maximum drilling diameter (mm)	Φ8(Opt.)	Φ8	Φ8(Opt.)	Φ8	
Back live tool maximum tapping diameter	M6(Opt.)	M6	M6(Opt.)	M6	
Mechanical capacity	Main spindle speed (r/min)	8000 (Rotary guide bush6000)		6000 (Rotary cylinder)	
	Back spindle speed (r/min)	8000			
	Radial live tool speed (r/min)	6000			
	Back live tool speed (r/min)	6000(Opt.)	6000	6000(Opt.)	6000
	Rapid moving speed (m/min)	30(X2/Y1/Z1/Z2) 24(X1)		30(X2/Y1/Z2) 24(X1/1)	
	Main spindle bounce (mm)	≤0.002			
	Repeat positioning accuracy	≤0.003			
Tool system	O.D. tool	6(□16)		1(□20)+5(□16)	
	Axial machining tool	4(ER20)			
	Radial live tool	1(ER20)+3(ER16)			
	Deep hole tool holder	2(ER16)			
	Back machining tool	4(ER16)	4(ER16)	4(ER16)	4(ER16)
	Back live tool	Opt.	4(ER16)	Opt.	4(ER16)
	Main spindle (kW)	6.3			
Motor power	Back spindle (kW)	4.2			
	Linear drive axis (kW)	1.1(X1/X2/Y1/Z1/Z2)			
		— 1(Y2)		— 1(Y2)	
	Radial live tool (kW)	1.1			
	Back live tool (kW)	1 (Opt.)	1	1 (Opt.)	1
	Coolant pump (kW)	0.4			
Machine weight (kg)		3750			
Machine dimensions (L × W × H) (mm)		2960 × 1660 × 1920 3100 × 1660 × 1920			