



2025 Catalog
CNC Horizontal Lathe

ZOPO CNC

LATHE INTRODUCTION

Focus on inclined bed CNC lathe

Technical inheritance

- Professional R&D team
- Years of front-line manufacturing and assembly process
- Profound technology accumulation

High stability and high reliability

- Complete sequence and multi-functional
- Top brands of core functional components
- Standardized production, strict quality control flow

Smart manufacturing solutions

- Rich parts processing solutions
- Mature automation application cases
- Comprehensive automation integration capabilities





WORLD CLASS PROCESSING EQUIPMENT



OKUMA MCR-A5C 3080



OKUMA MB-8000H-e



Nicolas Correa FP40



OKUMA MCR-A5CII-E2565



OKUMA MAR-800H-e



SP3212 with Nicola Correa automatic universal milling head

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03 P series

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25 W series

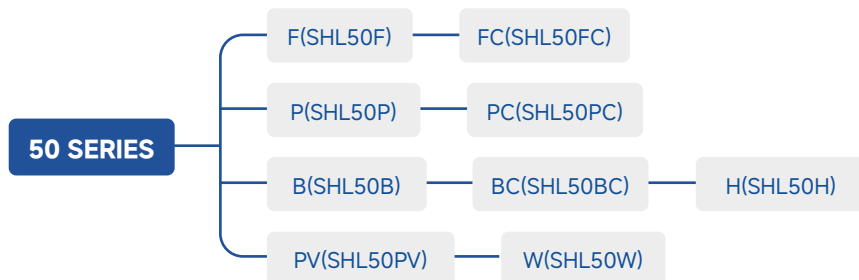
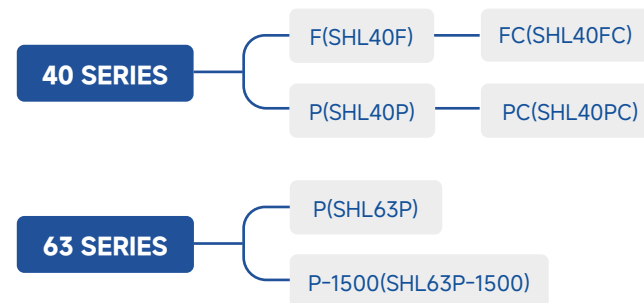
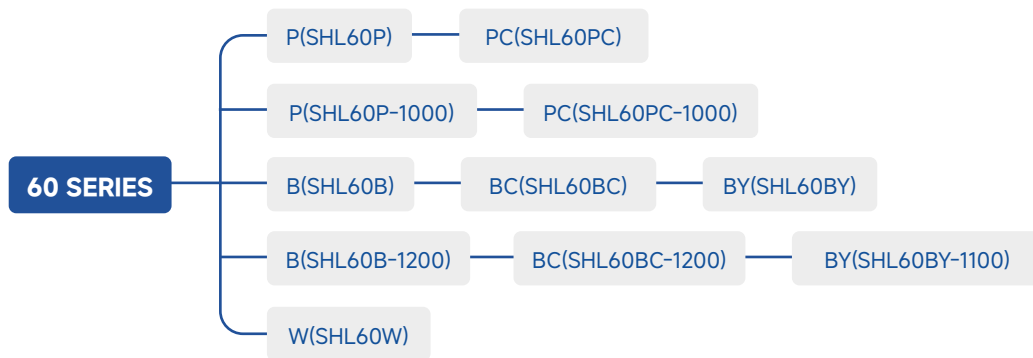
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31 F series

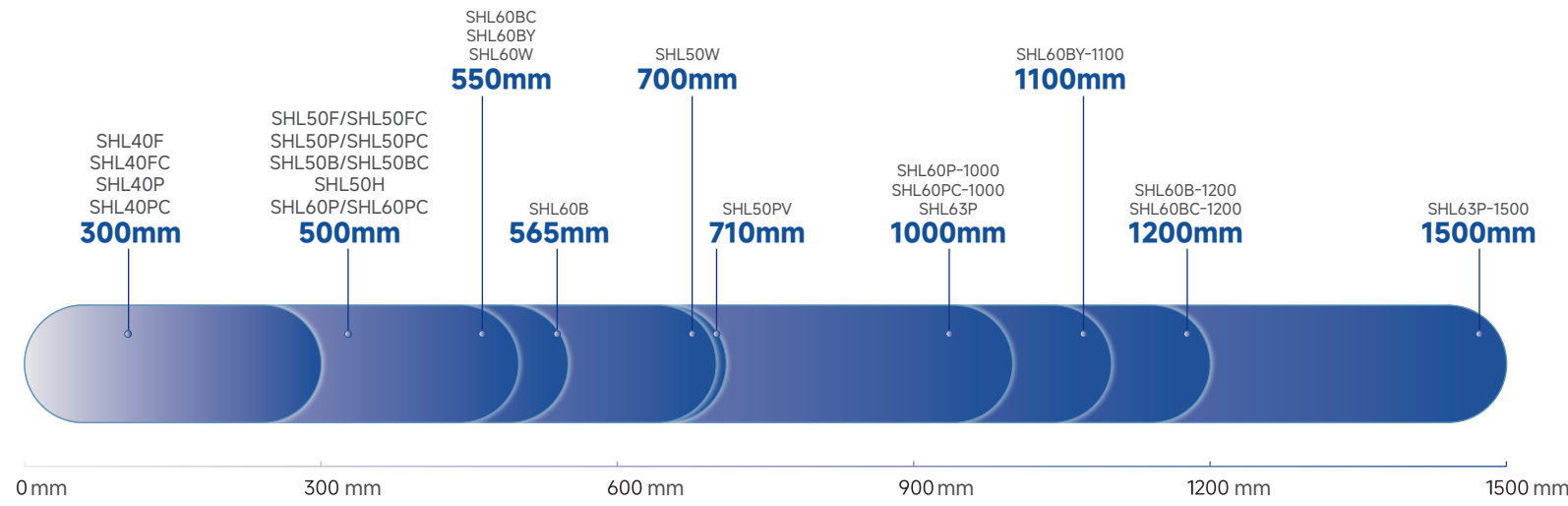
SHL40F	33
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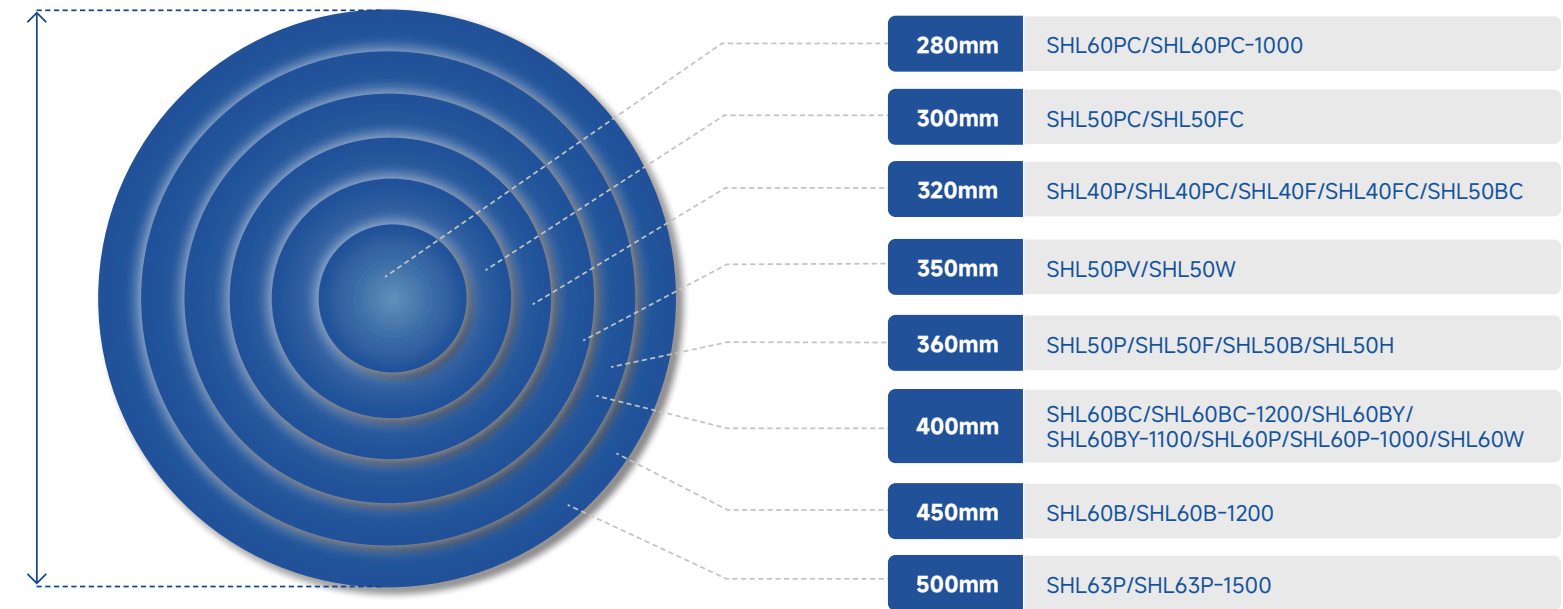
- F** High cost performance model
- P** High application model
- B** High capability model
- H** Ultra-precision model
- W** Dual-spindle model

- C** Models with C axis
- V** Models with interpolation Y axis
- Y** Models with orthorhombic Y axis

Max. turning length 300-1500mm



Max. turning diameter 280-500mm



P series

High Precision | High Applicability



Parameters

	Unit	SHL40P	SHL40PC	SHL50P	SHL50PC	SHL60P	SHL60PC	SHL60P-1000	SHL60PC-1000	SHL63P	SHL63P-1500
Max. swing over bed	mm	Φ400	Φ400	Φ500	Φ500	Φ600	Φ600	Φ600	Φ600	Φ630	Φ630
Max. turning length	mm	300	300	500	500	500	500	1000	1000	1000	1500
Max. turning diameter	mm	Φ320	Φ320	Φ360	Φ300	Φ400	Φ280	Φ400	Φ280	Φ500	Φ500
Max. swing over carriage	mm	Φ160	Φ160	Φ320	Φ300	Φ360	Φ280	Φ360	Φ280	Φ500	Φ500
Spindle nose	type	A2-5	A2-5	A2-6	A2-6	A2-6	A2-6	A2-6	A2-6	A2-8	A2-8
Spindle bore diameter	mm	Φ56	Φ56	Φ65	Φ65	Φ65	Φ65	Φ65	Φ65	Φ80	Φ80
Max. passing bar diameter	mm	Φ42	Φ42	Φ50	Φ50	Φ50	Φ50	Φ50	Φ50	Φ65	Φ65
Spindle speed	rpm	50 ~ 5000	50 ~ 5000	50 ~ 4500	50 ~ 4500	50 ~ 4500	50 ~ 4500	50 ~ 4500	50 ~ 4500	50 ~ 3500	50 ~ 3500
Motor power	kW	7.5/11	7.5/11	11/15	11/15	11/15	11/15	11/15	11/15	15/18.5	15/18.5
Standard chuck diameter	inch	Φ42 collet	Φ42 collet	8"	8"	8"	8"	8"	8"	10"	10"
X-axis rapid traverse	m/min	20	20	30	30	30	30	30	30	30	30
Z-axis rapid traverse	m/min	24	24	30	30	30	30	30	30	30	30
X-axis traverse	mm	460	460	200	200	210	210	210	210	280	280
Z-axis traverse	mm	365	365	560	560	560	560	1060	1060	1070	1570
Tailstock travel	mm	/	/	400	400	450	450	850	850	850	1200
Tailstock spindle taper	T	/	/	5#	5#	5#	5#	5#	5#	5#	5#
Standard turret type	T	Gang tool	Gang tool + Power milling head	Hydraulic 8st	Driven 12st	Hydraulic 8st	Driven 12st	Hydraulic 8st	Driven 12st	Hydraulic 12st	Hydraulic 12st
Change tool nearby		/	/	YES	YES	YES	YES	YES	YES	YES	YES
Machine weight	kg	2500	2500	3650	3650	4500	4500	5000	5000	7500	9500
Machine dimensions	mm	2200 *1600 *1700	2200 *1600 *1700	2275 *1625 *1825	2275 *1625 *1825	2850 *1880 *1865	3650 *1865 *1880	3650 *1880 *1865	3650 *1865 *1880	4400 *2200 *2150	4500 *2250 *2250

Structural characteristics

SHL40P SHL40PC

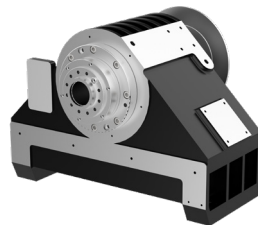
- High speed
- High precision
- Multiple configurations
- Small size models for processing various parts like shafts, discs, sleeves



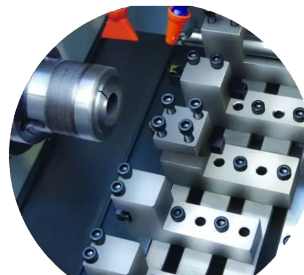
45° slanted and integral bed, compact structure. Small size, easy to install and operate.



A2-5/A2-5C spindle with hollow collet.



SHL40P: Gang tool.
SHL40PC: 3 gang tools+1 power milling head, integrating turning and milling process on one machine.

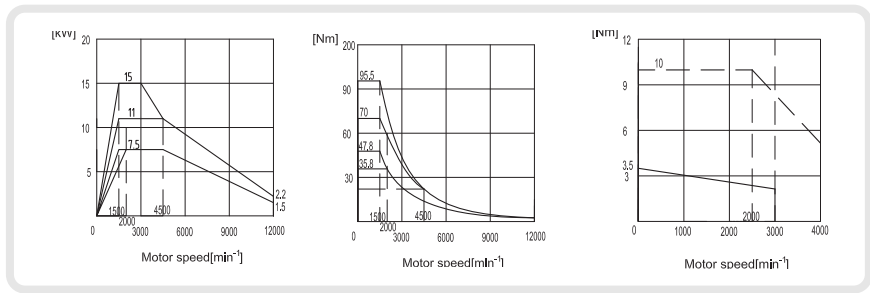


Optional for different kinds of milling heads.

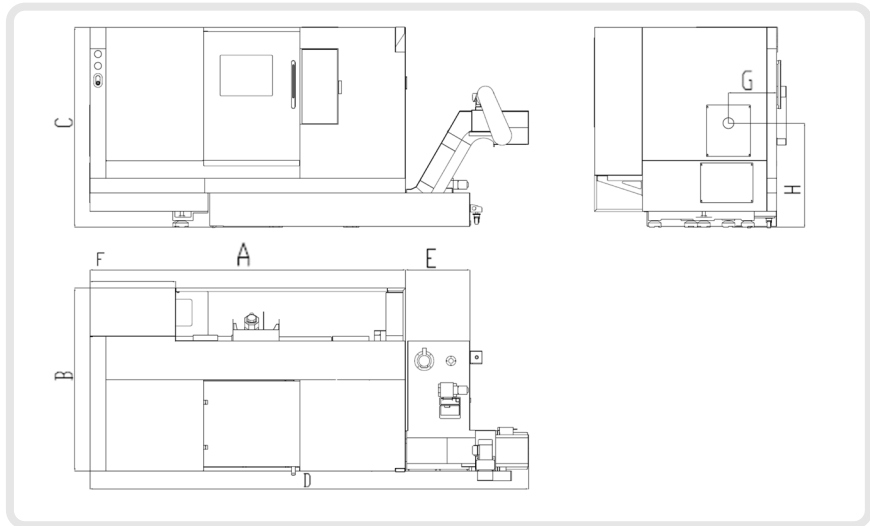


Spindle motor & Power milling head motor

SHL40P/SHL40PC spindle motor/power milling head motor



Machine dimension

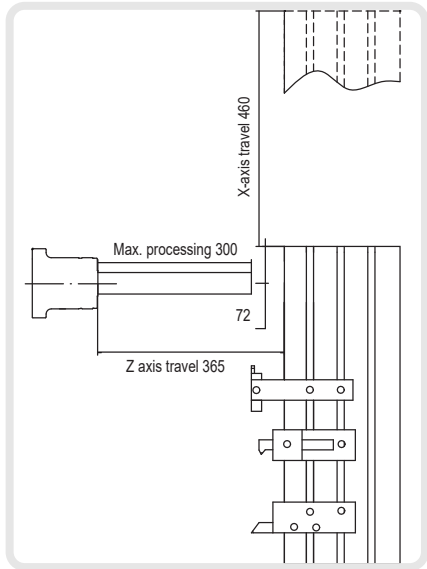


Model	A	B	C	D	E	F	G	H
SHL40P	2200	1700	1680	3435	0	800	530	1040

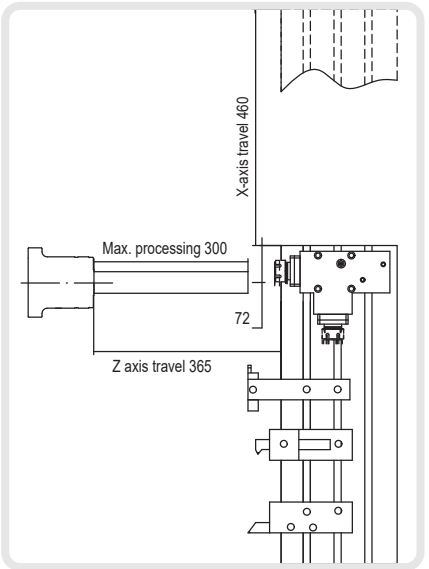
SHL40PC	2200	1700	1680	3435	0	800	530	1040
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Processing range & Tooling system

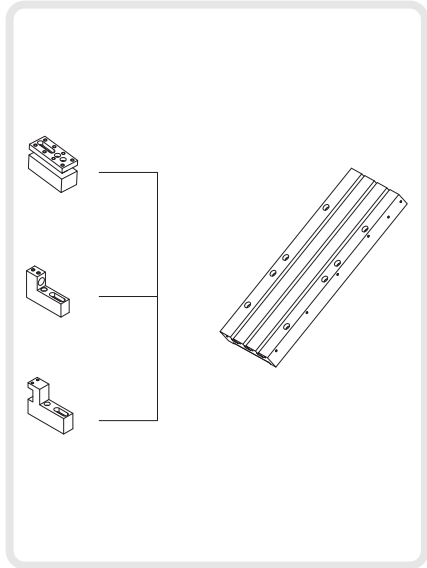
SHL40P



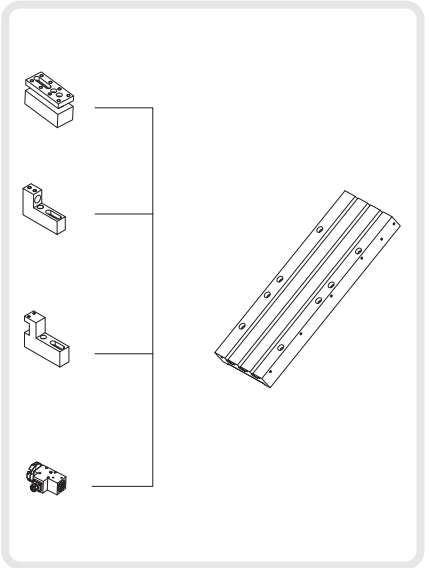
SHL40PC



SHL40P



SHL40PC



Structural characteristics

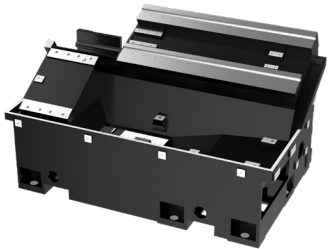
SHL50P SHL50PC

- High speed
- High precision
- Multiple configurations
- Medium size models for processing various parts like shafts, discs, sleeves.

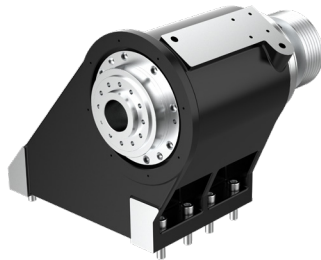


30° overall inclined bed, high structural stability and strong shock resistance.

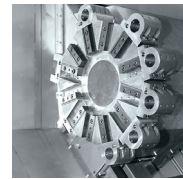
Wedge fixed and 8° bevel self-locking, stabilized guideway accuracy.



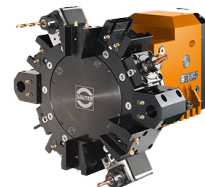
High rigidity A2-6/A2-6C spindle, long service life, no backlash, good vibration resistance.



Hydraulic turret: accurate indexing, fast tool change.



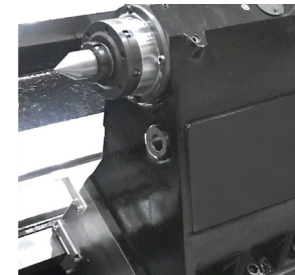
Driven turret: turning and milling compound.



Quill type tailstock:

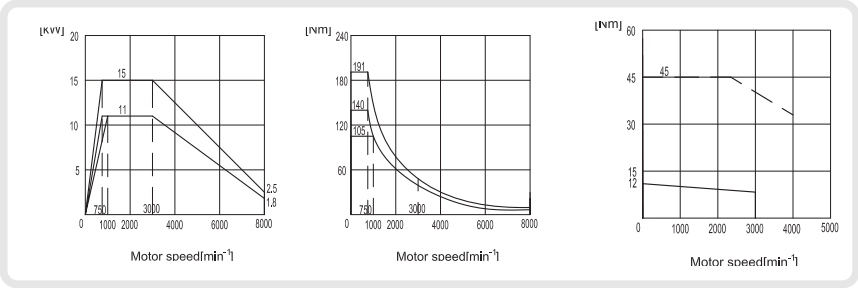
Mountain-flat tailstock guideway, designed for high rigidity; Tailstock movement driven by saddle;

Quill movement driven by hydraulic and programmable optional.



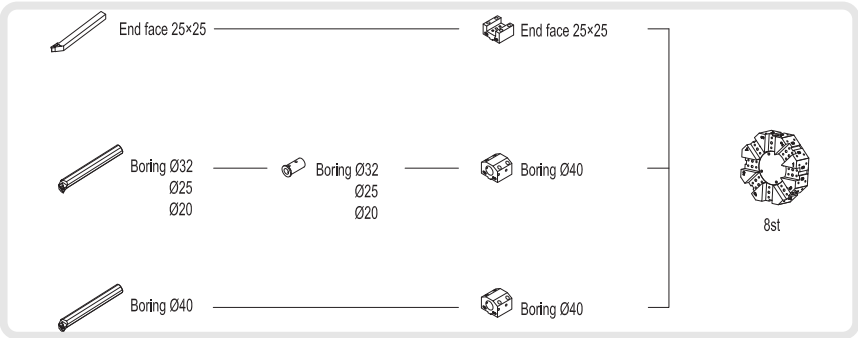
Spindle motor & Driven turret motor

SHL50P/SHL50PC Spindle motor/ driven turret motor

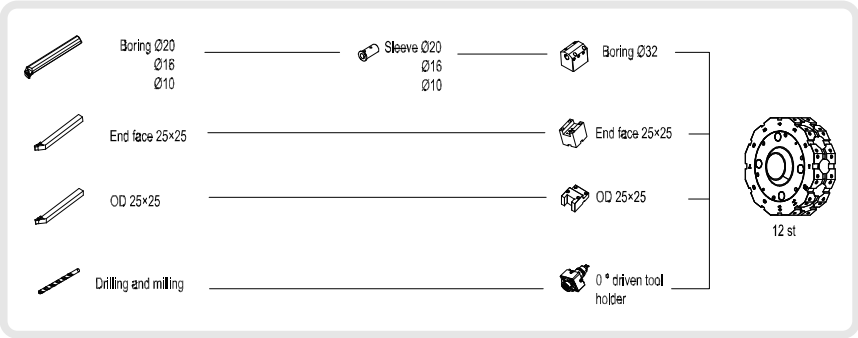


Tooling system

SHL50P

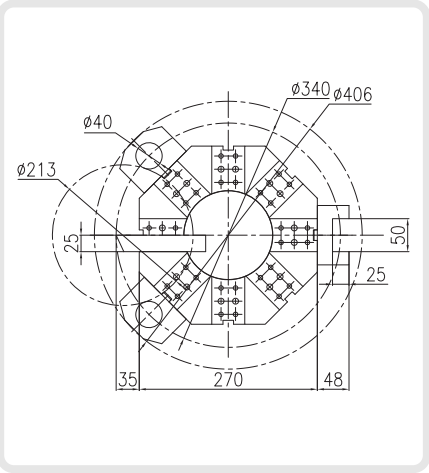


SHL50PC

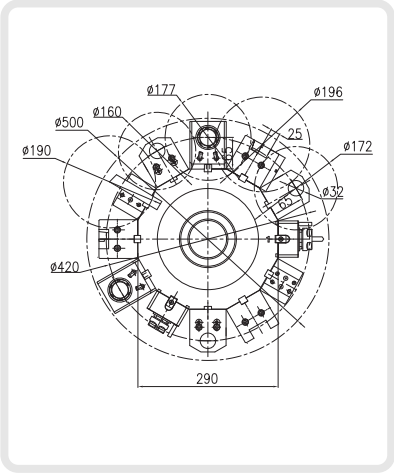


Interference

SHL50P

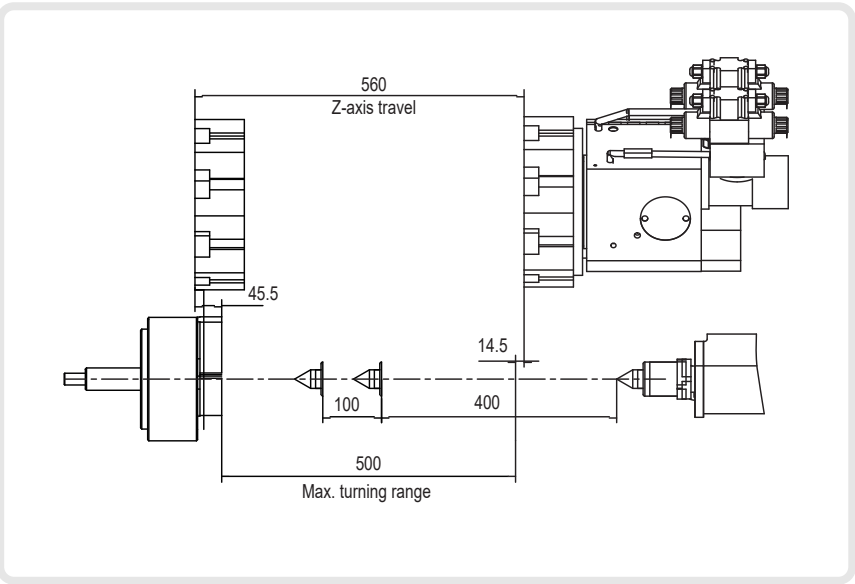


SHL50PC



Processing range

SHL50P/SHL50PC



Structural characteristics

SHL60P

SHL60P-1000

SHL63P

SHL60PC

SHL60PC-1000

SHL63P-1500

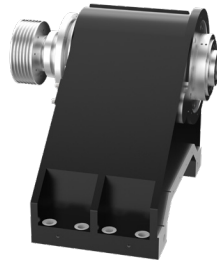
- High speed
- High precision
- Multiple configurations
- Ideal choice for processing large shafts, discs, sleeves parts.



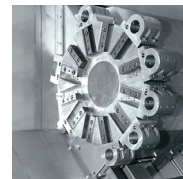
45° overall inclined bed: high machining accuracy and smooth chip removal.



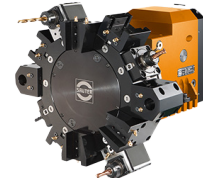
Large bore A2-6/A2-8 sleeve type spindle, high rigidity, low temperature rise.



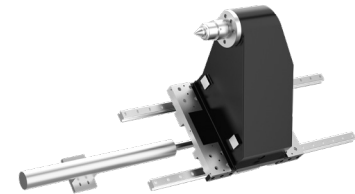
Hydraulic turret: accurate indexing, fast tool change.



Driven turret: turning and milling compound.

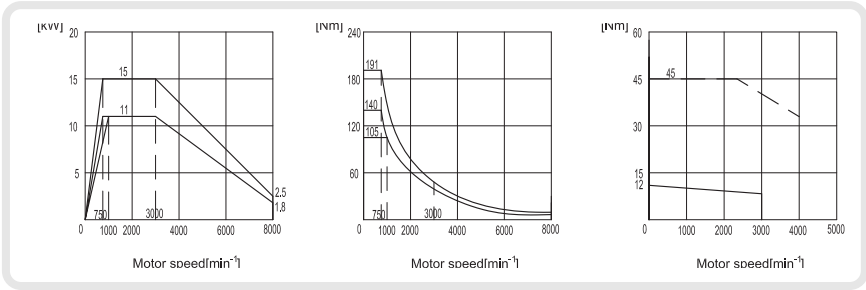


Hydraulic integral tailstock, overall movement driven by hydraulic cylinder, forward and backward movement control programmable.
(Note: SHL63P/1500 is quill type tailstock)

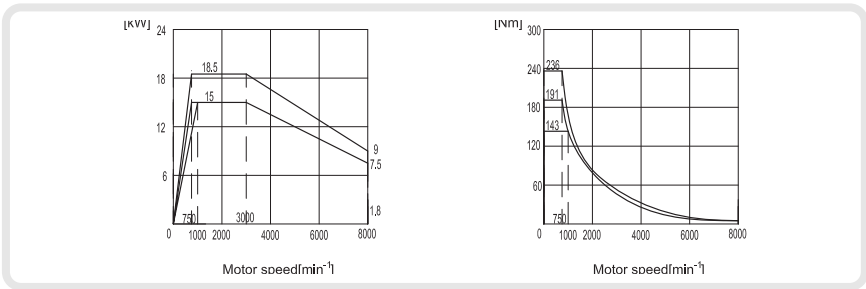


Spindle motor & Driven turret motor

Spindle motor/ driven turret motor
SHL60P/SHL60PC /SHL60P-1000/SHL60PC-1000

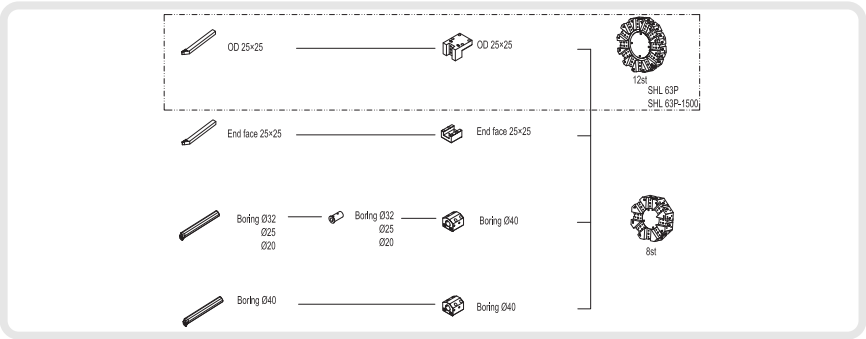


Spindle motor
SHL63P/SHL63P-1500

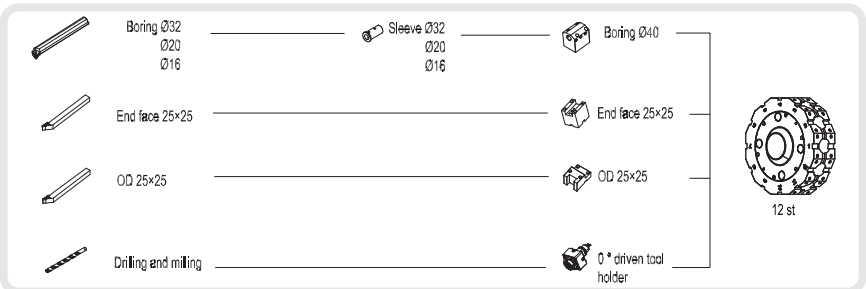


Tooling system

SHL60P/SHL60P-1000/SHL63P/SHL63P-1500

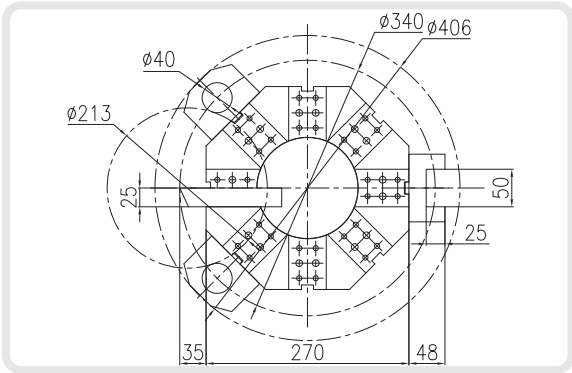


SHL60PC/SHL60PC-1000

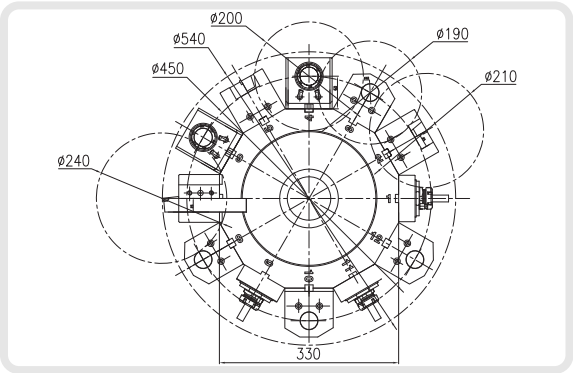


Interference

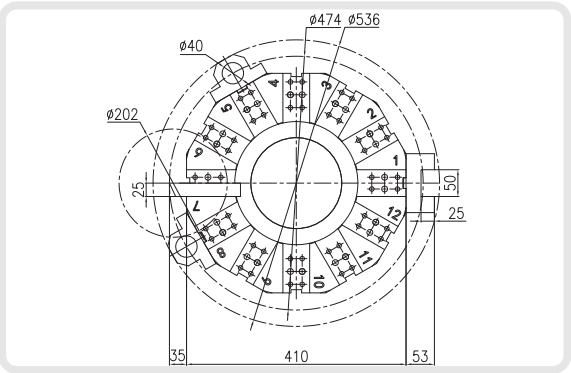
SHL60P/SHL60P-1000



SHL60PC/SHL60PC-1000

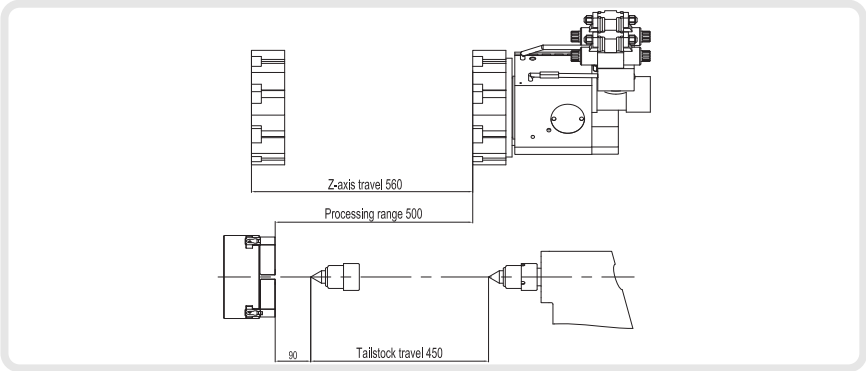


SHL63P/SHL63P-1500

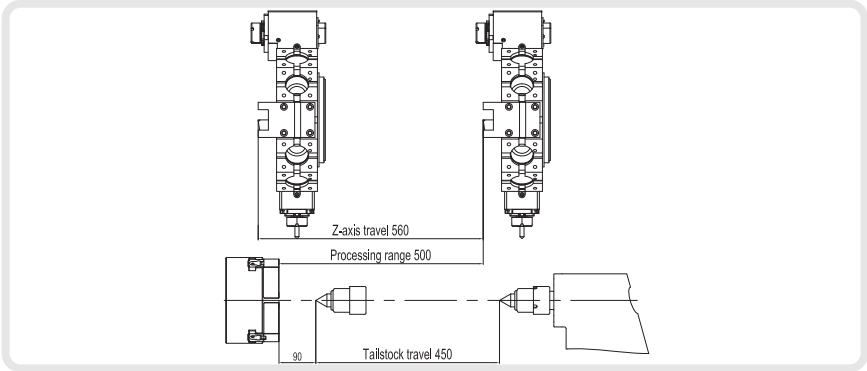


Processing range

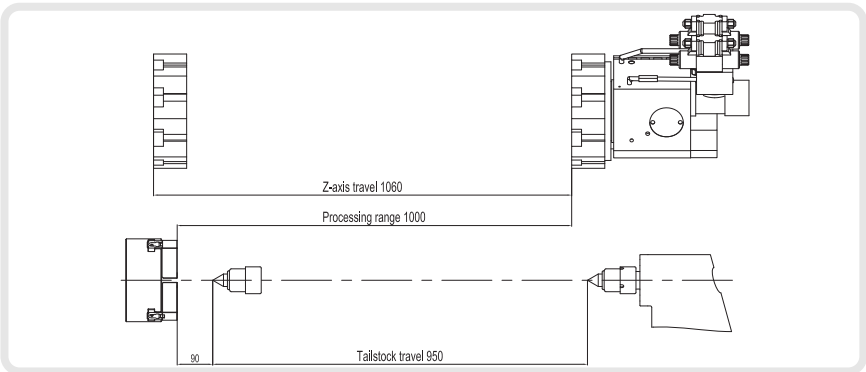
SHL60P



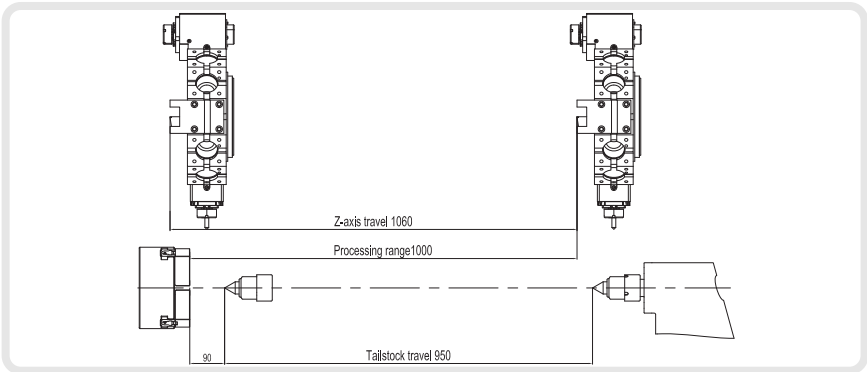
SHL60PC



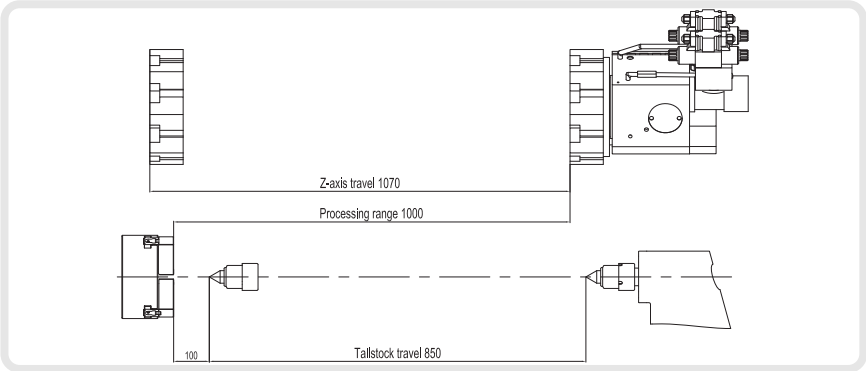
SHL60P-1000



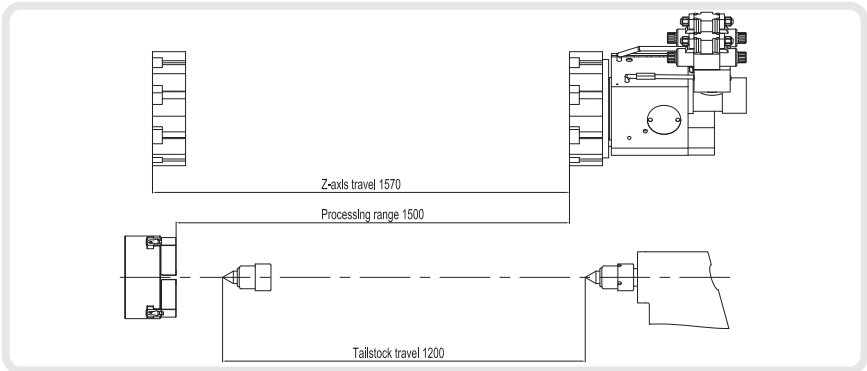
SHL60PC-1000



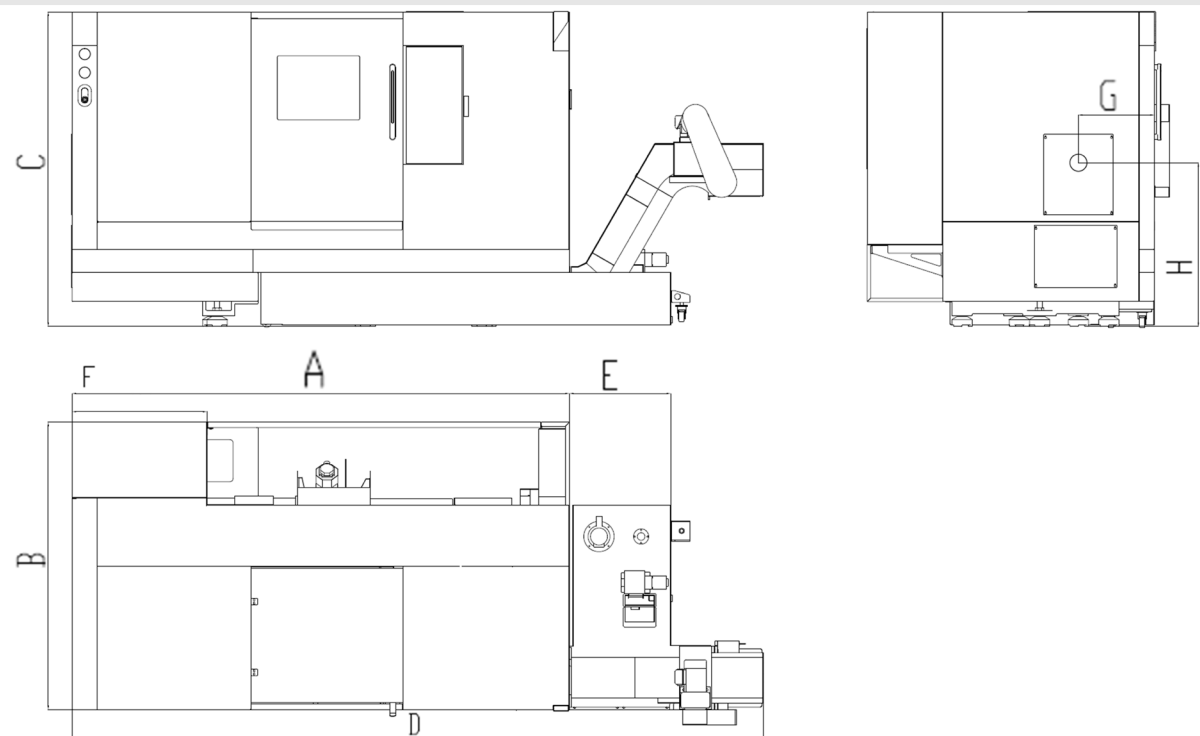
SHL63P



SHL63P-1500



Machine dimension



Model	A	B	C	D	E	F	G	H
SHL50P	2275	1625	1825	3980	0	800	380	1140
SHL50PC	2275	1625	1825	3980	0	800	380	1140
SHL60P	2850	1700	1865	4060	0	800	450	1050
SHL60PC	2850	1700	1865	4060	0	800	450	1050
SHL60P-1000	3650	1700	1865	4865	0	800	450	1050
SHL60PC-1000	3650	1700	1865	4865	0	800	450	1050
SHL63P	4400	2200	2150	5650	600	900	550	1110
SHL63P-1500	4500	2250	2250	5800	600	900	550	1110

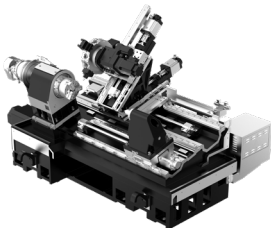
Structural characteristics

SHL50PV

- High rigidity interpolation Y axis model
- Suitable for processing complex external keyways, precision grooves.



Integral high-rigidity machine bed
Reasonable rib layout
Aging treatment for high stability.



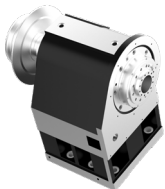
Driven turret:
turning and milling
compound.



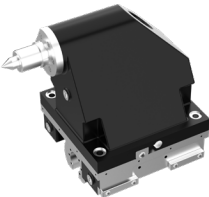
Dual X-axis
structure, capable of
interpolation Y-axis
with±50 travel.



High-precision A2-6
motorized spindle
Quick response, smooth
operation, high indexing
accuracy.



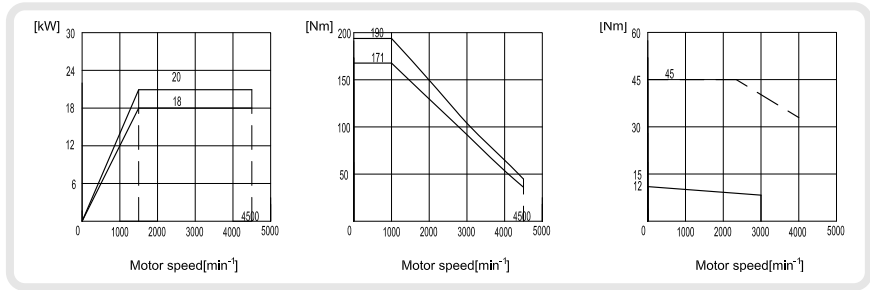
Split servo tailstock,
efficient and intelligent.



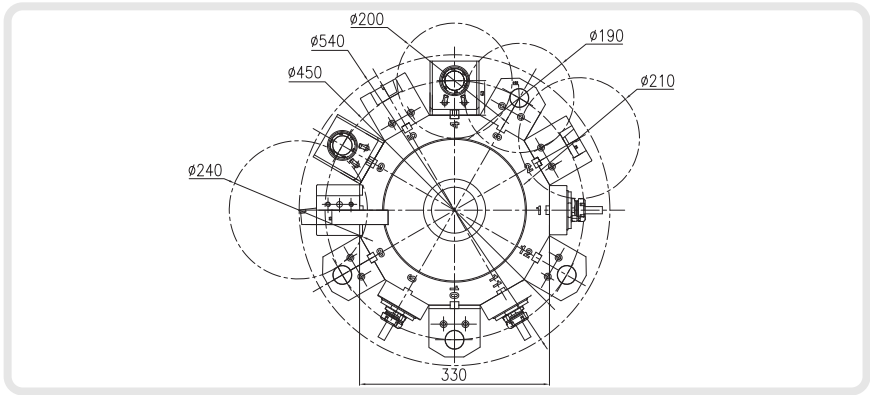
SHL50PV parameters

	Unit	SHL50PV
Max. swing over bed	mm	Φ550
Max. turning length	mm	710
Max. turning diameter	mm	Φ350
Max. swing over carriage	mm	Φ350
Spindle nose	type	A2-6(Motorized)
Spindle bore diameter	mm	Φ65
Max. passing bar diameter	mm	Φ50
Spindle speed	rpm	50 ~ 4500
Motor power	kW	18/20
Standard chuck diameter	inch	8"
X-axis rapid traverse	m/min	30
Y-axis rapid traverse	mm	10
Z-axis rapid traverse	m/min	30
X-axis traverse	mm	200
Y-axis traverse	mm	±50
Z-axis traverse	mm	760
Tailstock travel	mm	720
Tailstock spindle taper	T	5#
Standard turret type	T	Driven 12st
Change tool nearby		YES
Machine weight	kg	5200
Machine dimensions	mm	3500×1750×1950

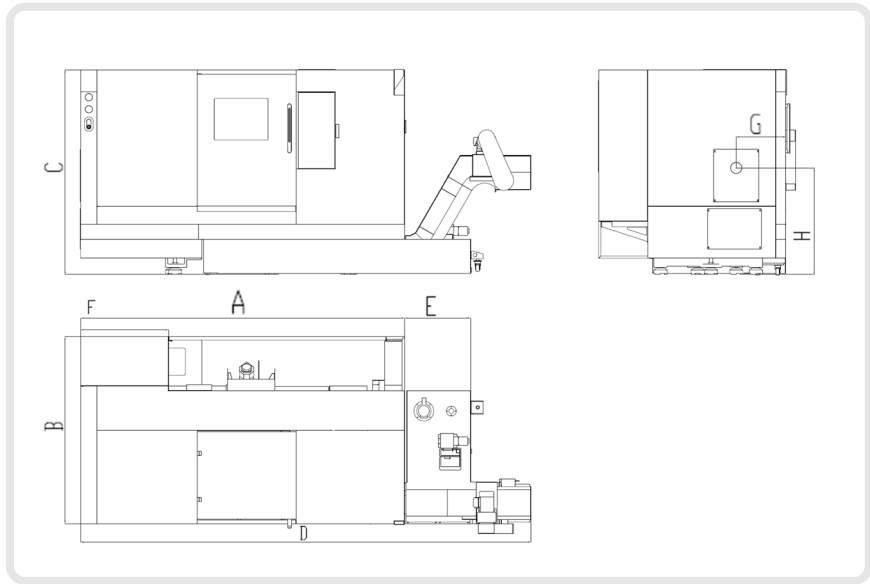
Spindle motor & Driven turret motor



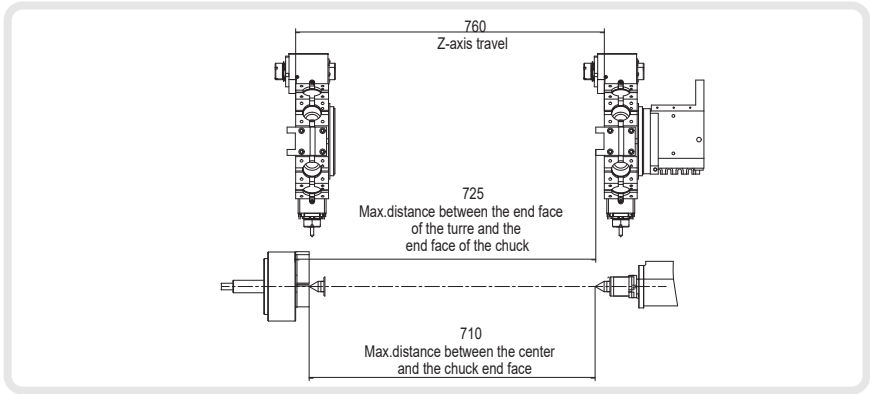
Interference & processing range



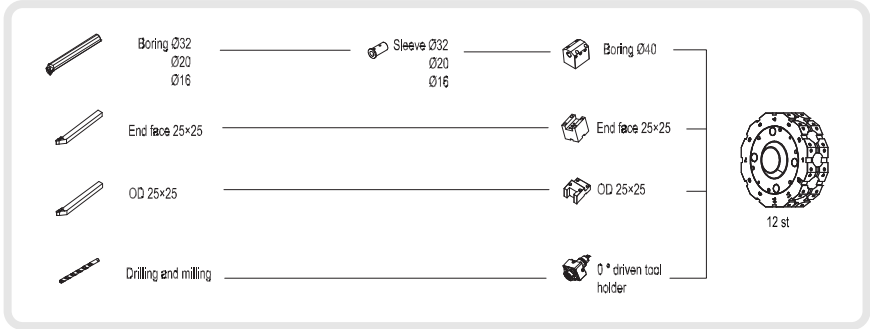
Machine dimension



Model	A	B	C	D	E	F	G	H
SHL50PV	3500	1750	1950	4800	400	900	380	1000



Tooling system



B series

High Capability | High Rigidity



Parameters

	Unit	SHL50B	SHL50BC	SHL60B	SHL60BC	SHL60BY	SHL60BY -1100	SHL60B -1200	SHL60BC -1200
Max. swing over bed	mm	Φ520	Φ520	Φ610	Φ610	Φ610	Φ610	φ610	Φ610
Max. turning length	mm	500	500	565	550	550	1100	1200	1200
Max. turning diameter	mm	Φ360	Φ320	Φ450	Φ400	Φ400	Φ400	Φ450	Φ400
Max. swing over carriage	mm	Φ360	Φ320	Φ400	Φ400	Φ400	Φ400	400	Φ400
Spindle nose	type	A2-6	A2-6	A2-6	A2-6	A2-6	A2-6	A2-6	A2-6
Spindle bore diameter	mm	Φ65	Φ65	Φ66	Φ66	Φ66	Φ66	Φ66	Φ66
Max. passing bar diameter	mm	Φ50	Φ50	Φ50	Φ50	Φ50	Φ50	Φ50	Φ50
Spindle speed	rpm	50 ~ 4500	50 ~ 4500	50 ~ 4200	50 ~ 4500	50 ~ 4500	50 ~ 4500	50 ~ 4200	50 ~ 4500
Motor power	kW	11/15	11/15	11/15	11/15	11/15	11/15	11/15	11/15
Standard chuck diameter	inch	8"	8"	8"	8"	8"	8"	8"	8"
X-axis rapid traverse	m/ min	30	30	30	30	30	30	30	30
Y-axis rapid traverse	m/ min	/	/	/	/	10	10	/	/
Z-axis rapid traverse	m/ min	30	30	30	30	30	30	30	30
X-axis traverse	mm	200	200	240	240	240	240	240	240
Y-axis traverse	mm	/	/	/	/	±50	±50	/	/
Z-axis traverse	mm	550	550	610	610	610	1110	1210	1210
Tailstock travel	mm	380	380	500	500	500	1000	1000	1000
quill travel	mm	100	100	110	110	110	110	110	110
Tailstock spindle taper	T	5#	5#	5#	5#	5#	5#	5#	5#
Standard turret type	T	Servo 12st	Driven 12st	Servo 12st	Driven 12st	Driven 12st	Driven 12st	Servo 12st	Driven 12st
Change tool nearby		YES	YES	YES	YES	YES	YES	YES	YES
Machine weight	kg	3800	3800	4700	4700	5000	7000	5500	5800
Machine dimensions	mm	2530 *1650 *1755	2530 *1650 *1755	2950 *1700 *1865	2950 *1700 *1865	3000 *1850 *2050	4100 *1850 *2050	3800 *1700 *1865	3800 *1700 *1865

Structural characteristics

SHL50B SHL50BC

- High-rigidity servo turret and high-dynamic feed technology.
- Provides high capability for special parts processing.



30° overall ladder design guideway, larger span with higher rigidity.



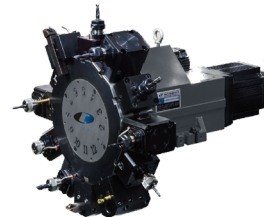
A2-6/A2-6C spindle+8" hydraulic hollow chuck.
Sleeve type and integrated spindle box.



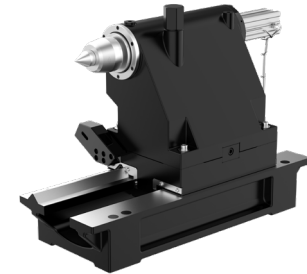
Self-developed high rigidity servo turret, wider contact area between turret and saddle.



Top brands driven turret provides high processing efficiency and scalability.

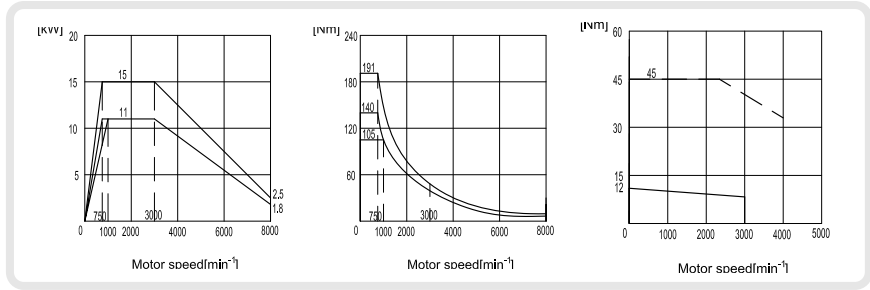


Box guideway sleeve type tailstock with upper and lower locking mechanism, strong locking force.



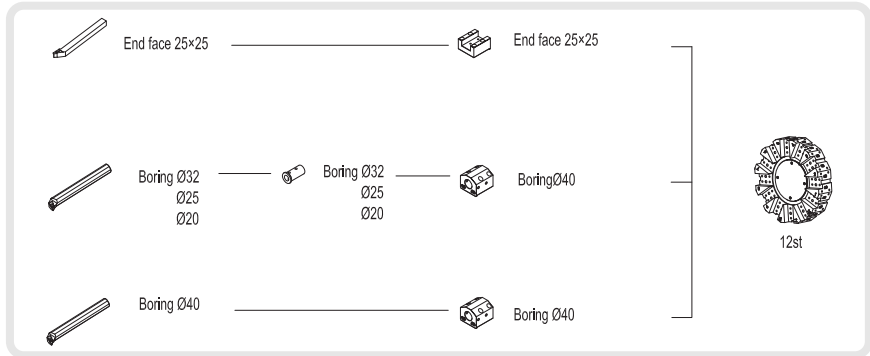
Spindle motor & Driven turret motor

SHL50B/SHL50BC Spindle motor/ driven turret motor

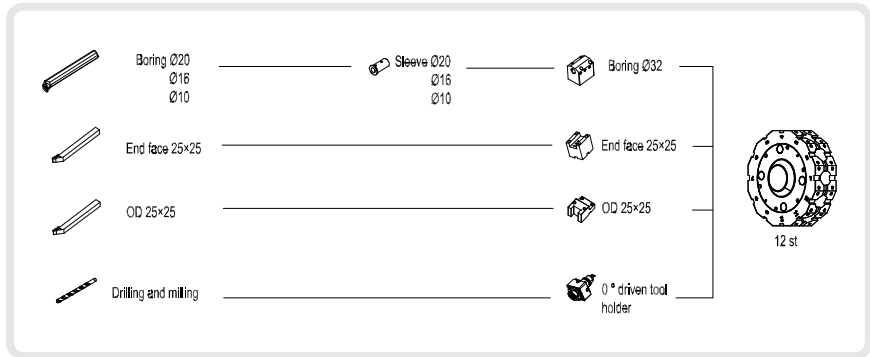


Tooling system

SHL50B

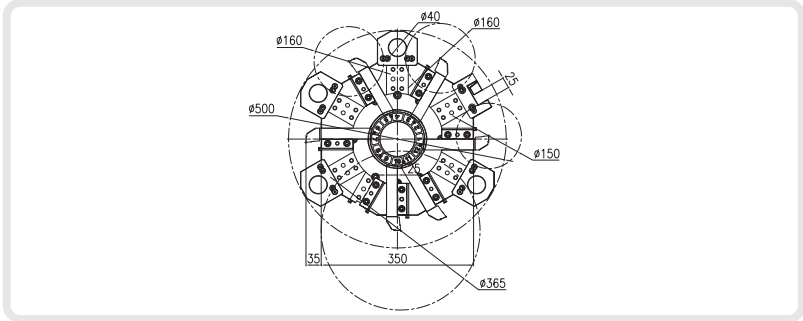


SHL50BC

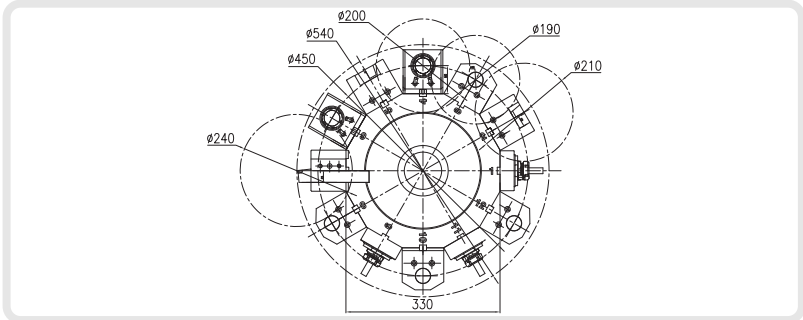


Interference

SHL50B

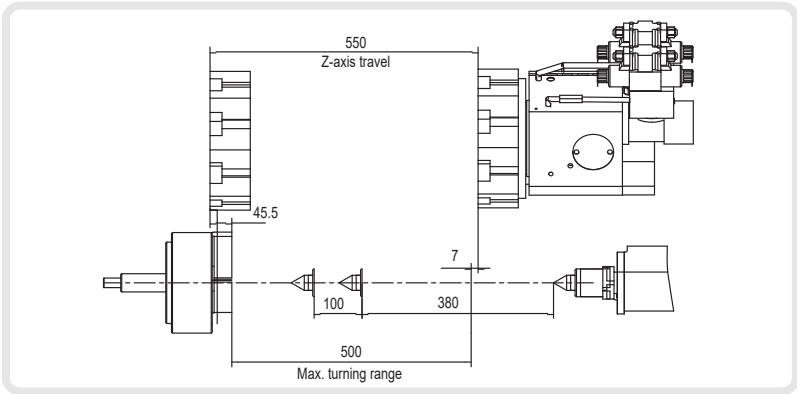


SHL50BC



Processing range

SHL50B / SHL50BC



Structural characteristics

SHL60B

SHL60B-1200

SHL60BY

SHL60BC

SHL60BC-1200

SHL60BY-1100

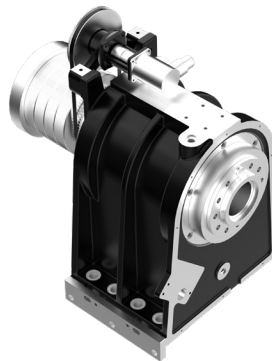
- High-rigidity turret and high-dynamic feed technology.
- Wider product ranges with more extension on processing length and functions.



45° ladder guideway, higher chip removal efficiency.



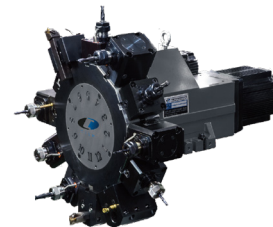
A2-6/A2-6C spindle+8" hydraulic hollow chuck.
Sleeve type, center symmetrical spindle box design with wider scraping contact.



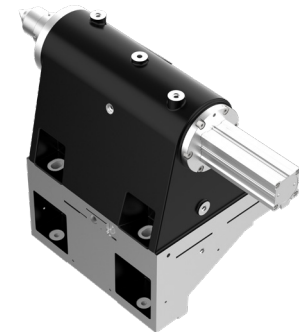
Self-developed high rigidity servo turret, wider contact area between turret and saddle.



Top brands driven turret provides high processing efficiency and scalability.

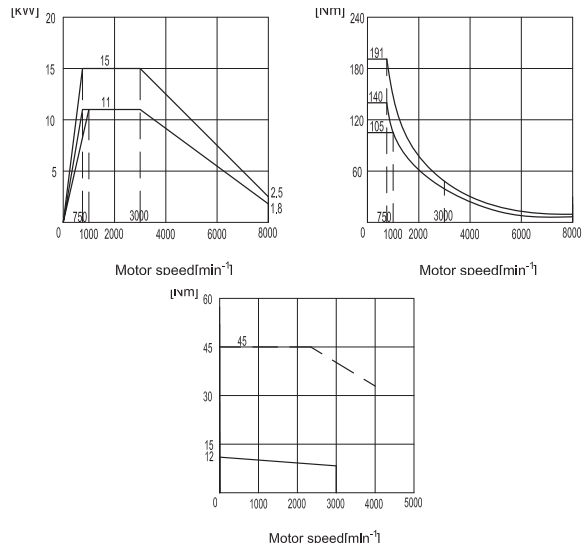


Telescopic sleeve tailstock, linear-slider combination guideway structure, servo type optional.



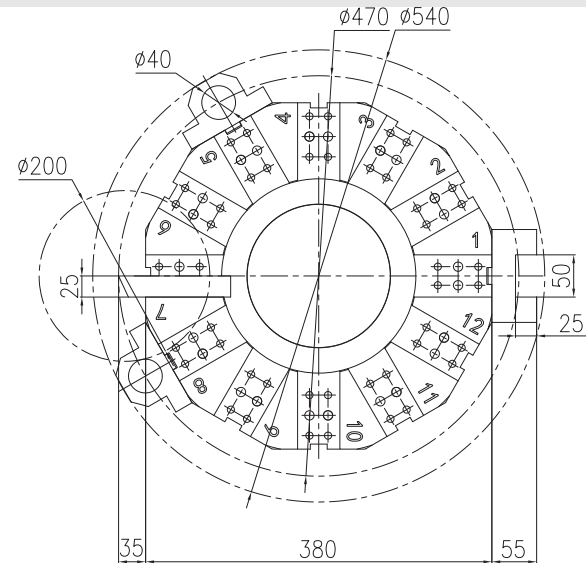
Spindle motor & Driven turret motor

SHL60B/SHL60B-1200 spindle motor/driven turret motor

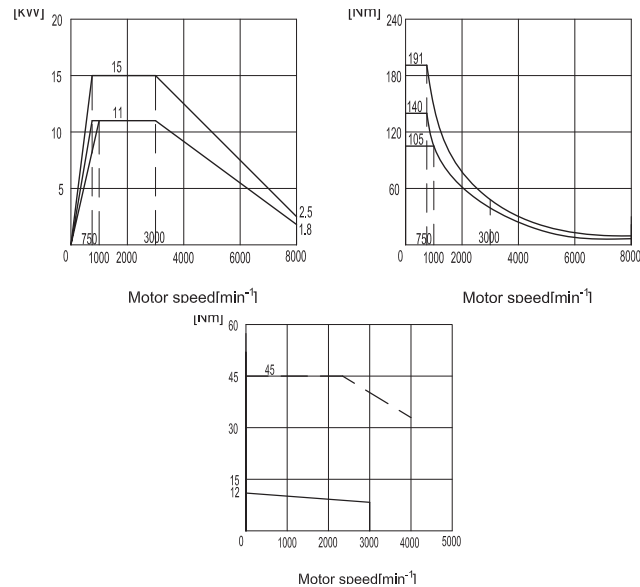


Interference

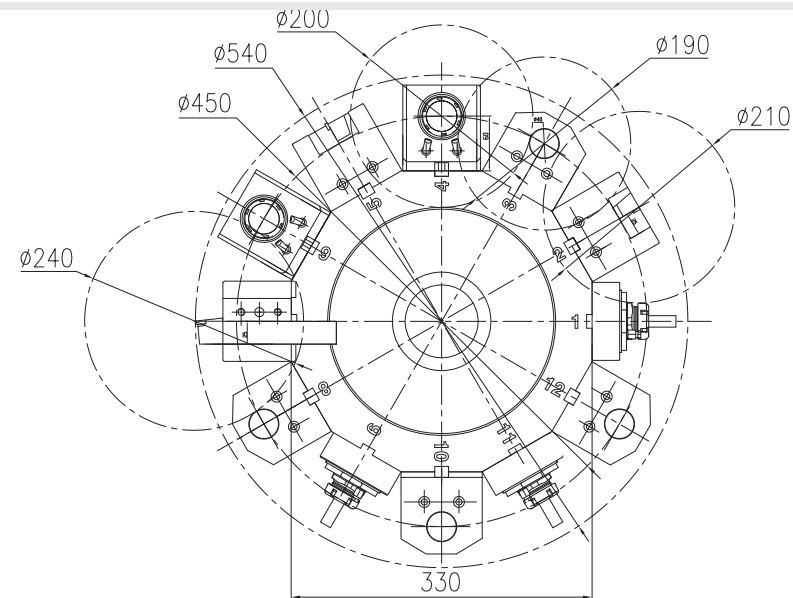
SHL60B SHL60B-1200



SHL60BY / SHL60BC /SHL60BY-1100/SHL60BC-1200 spindle motor/driven turret motor

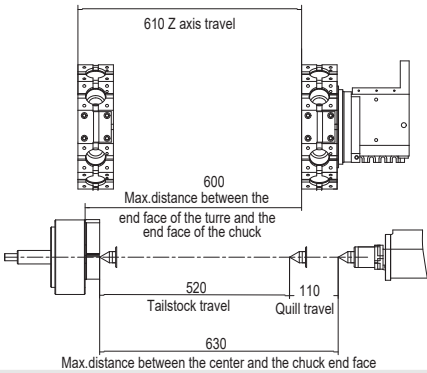


SHL60BY SHL60BC SHL60BY-1200 SHL60BC-1200

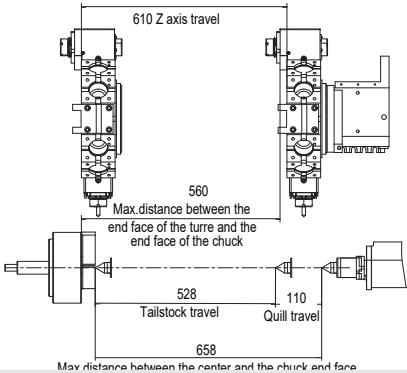


Processing range

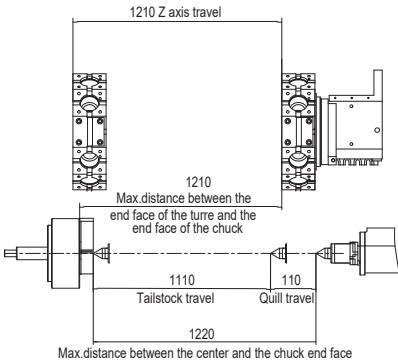
SHL60B/SHL60BC



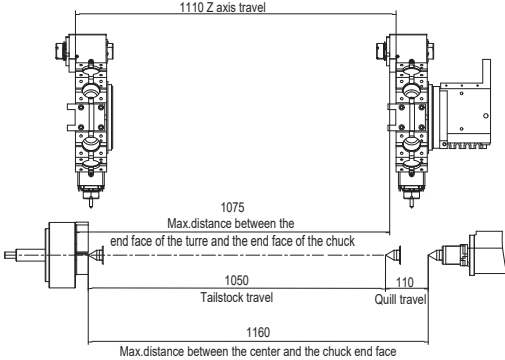
SHL60BY



SHL60B-1200 SHL60BC-1200

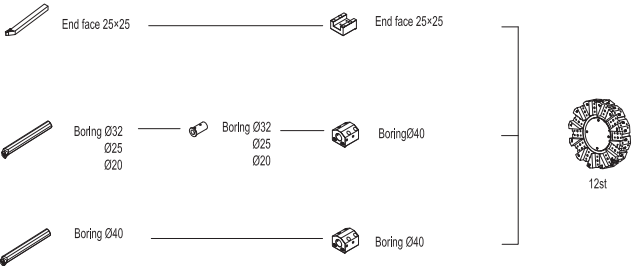


SHL60BY-1100

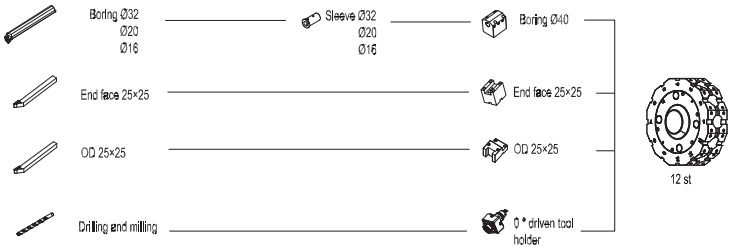


Tooling system

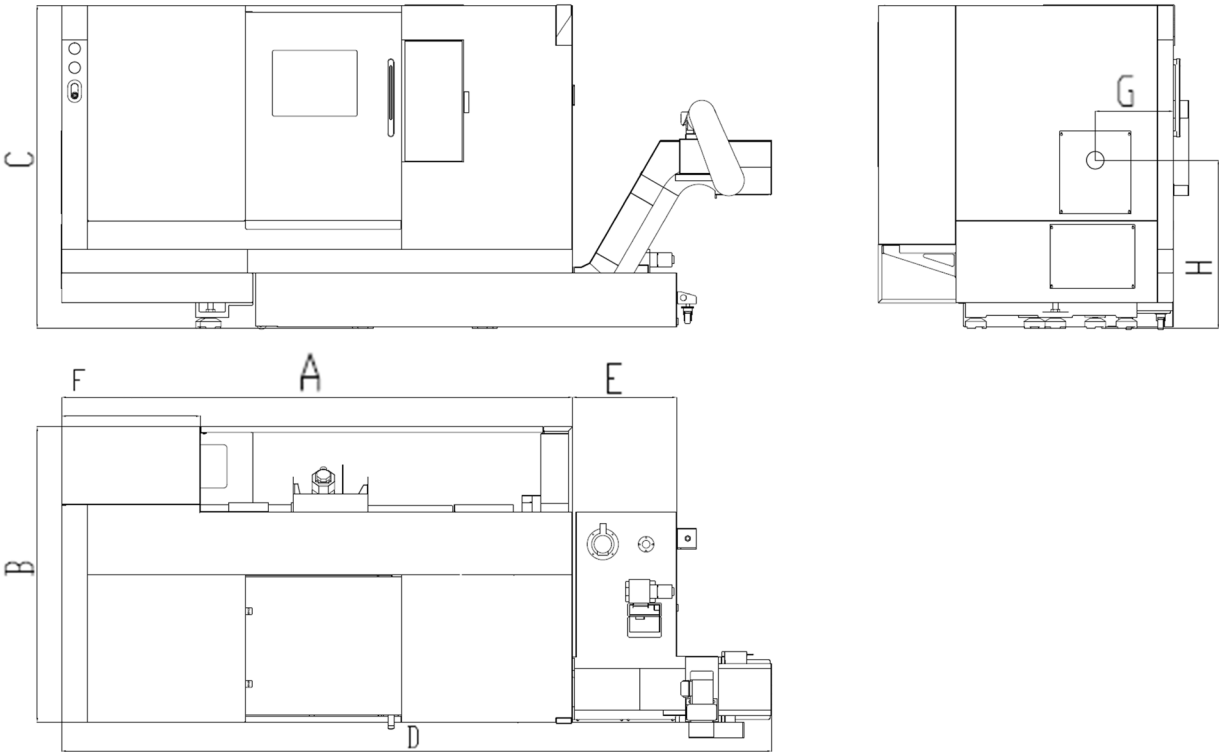
SHL60B SHL60B-1200



SHL60BY SHL60BC
SHL60BY-1100 SHL60BC-1200



Machine dimension



Model	A	B	C	D	E	F	G	H
SHL50B	2530	1650	1755	3800	0	800	430	1060
SHL50BC	2530	1650	1755	3800	0	800	430	1060
SHL50H	2950	1700	1865	4100	600	800	450	970
SHL60B	2950	1700	1865	4100	600	800	450	970
SHL60BC	3000	1850	2050	4150	600	900	450	1060
SHL60BY	3800	1700	1865	4950	600	800	450	970
SHL60B-1200	3800	1700	1865	4950	600	800	450	970
SHL60BC-1200	3850	1850	2050	5000	600	900	450	1060
SHL60BY-1100	2500	1750	1755	3800	0	800	430	1060

Structural characteristics

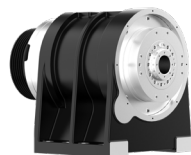
SHL50H

- Turning instead of grinding
- High precision $\mu\text{m} \leq 0.5$
- High hardness HRC 65
- High finish Ra 0.1

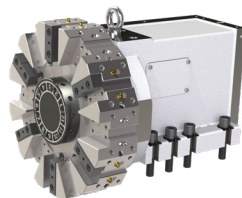


Core Technology

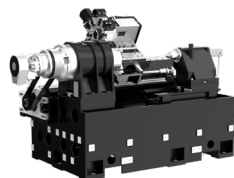
Hydrostatic spindle technology
(spindle radial runout $\leq 0.5\mu\text{m}$)



High-rigidity turret technology
(end face grooving width $\leq 8\text{mm}$)



Precision casting technology
(surface roughness ra $\leq 0.1\mu\text{m}$)



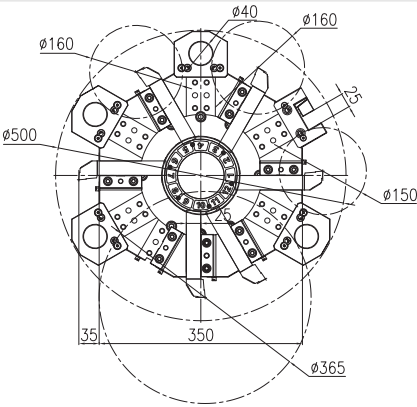
High dynamic feeding technology
(repeat positioning accuracy $\leq 2\mu\text{m}$)



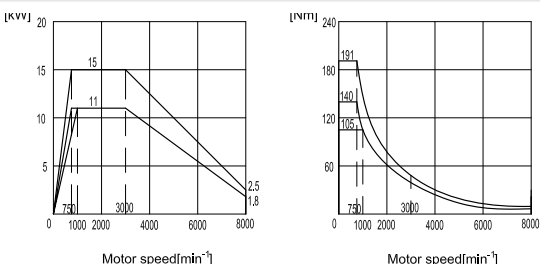
Ultra-precision SHL50H parameters

	Unit	SHL50H
Max. swing over bed	mm	$\Phi 520$
Max. turning length	mm	500
Max. turning diameter	mm	$\Phi 360$
Max. swing over carriage	mm	$\Phi 360$
Spindle nose	type	A2-6
Spindle bore diameter	mm	$\Phi 50$
Max. passing bar diameter	mm	$\Phi 45$
Spindle speed	rpm	50 ~ 4000
Motor power	kW	11/15
Standard chuck diameter	inch	8"
X-axis rapid traverse	m/min	30
Y-axis rapid traverse	m/min	/
Z-axis rapid traverse	m/min	30
X-axis traverse	mm	200
Y-axis traverse	mm	/
Z-axis traverse	mm	550
Tailstock travel	mm	380
Tailstock spindle taper	T	5#
Standard turret type	T	Servo 12st
Change tool nearby		YES
Machine weight	kg	3850
Machine dimensions	mm	2530*1650*1755

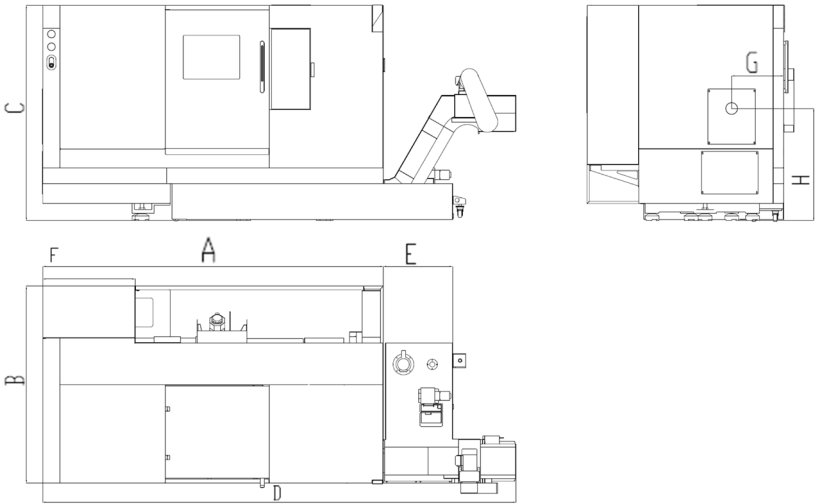
Interference



Spindle motor & Driven turret motor

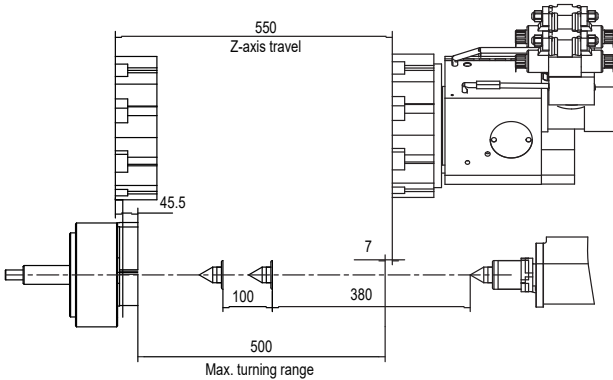


Machine dimension

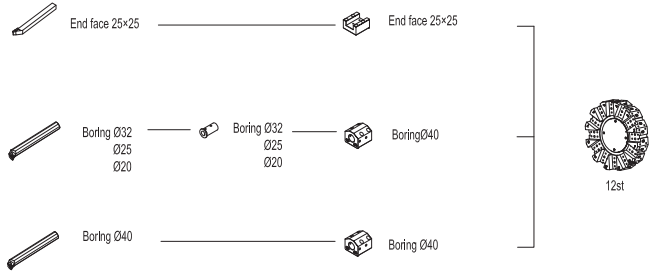


Model	A	B	C	D	E	F	G	H
SHL50H	2530	1650	1755	3850	0	800	430	1060

Processing range



Tooling system



W series

Dual Spindles | Y axis



Parameters spindle W series parameters

	Unit	SHL50W	SHL60W
Max. swing over bed	mm	Φ550	Φ610
Max. turning length	mm	700	550
Max. turning diameter	mm	Φ350	Φ400
Max. swing over carriage	mm	Φ350	Φ400
Main Spindle nose	type	A2-6 (Motorized spindle)	A2-6 (Mechanical spindle)
Sub Spindle nose	type	A2-5 (Motorized spindle)	A2-5 (Motorized spindle)
Main spindle bore diameter	mm	Φ66	Φ66
Main spindle Max. passing bar diameter	mm	Φ50	Φ50
Sub Spindle bore diameter	mm	Φ56	Φ56
Sub spindle max. passing bar diameter	mm	Φ44	Φ44
Main Spindle speed	rpm	50 ~ 4500	50 ~ 4500
Sub Spindle speed	rpm	50 ~ 5000	50 ~ 5000
Motor power	kW	18/20	11/15
Sub Spindle Motor power	kW	11/13.2	7.5/11
Standard chuck diameter	inch	8"(main spindle)	8"(main spindle)
	inch	6"(Sub spindle)	6"(Sub spindle)
X-axis rapid traverse	m/min	30	24
Y-axis rapid traverse	m/min	10	10
Z-axis rapid traverse	m/min	30	30
B-axis rapid traverse	m/min	30	30
X-axis traverse	mm	200	240
Y-axis traverse	mm	±50	±50
Z-axis traverse	mm	760	555
B-axis traverse	mm	710	550
Standard turret type	T	Driven 12st	Y axis driven turret 12st
Change tool nearby		YES	YES
Machine weight	kg	5300	5000
Machine dimensions	mm	3500*1750*1950	3000*1850*2050

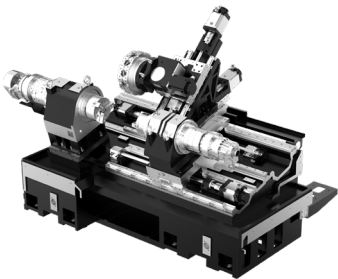
Structural characteristics

SHL50W

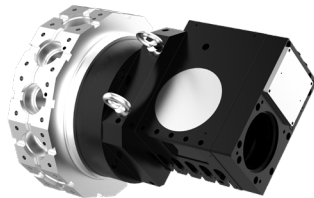
- Dual-spindles compound function horizontal turning center.
- Interpolation Y axis - higher rigidity.



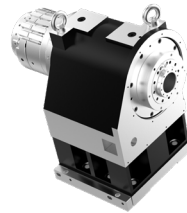
15° overall stepped inclined bed, low center of gravity, strong torsion resistance. Multiple interfaces reserved for high expansion capability.



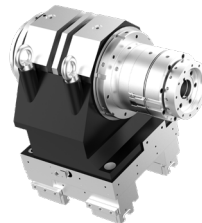
Offset driven turret frees up space for sub spindle processing; High cutting and milling rigidity with processing quality.



A2-6 motorized main spindle -4500rpm + hydraulic hollow chuck.



A2-5 motorized sub spindle -5000rpm + hydraulic solid chuck.

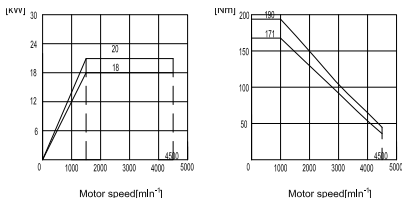


Interpolation Y axis design improves machine external keyway processing for parts which requires extra precision.

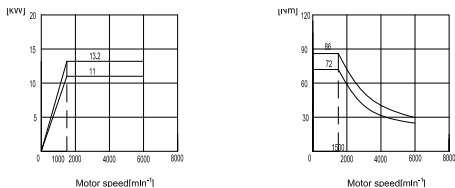


Spindle motor & Driven turret motor

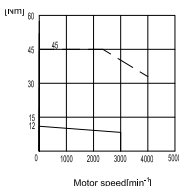
Main spindle motor



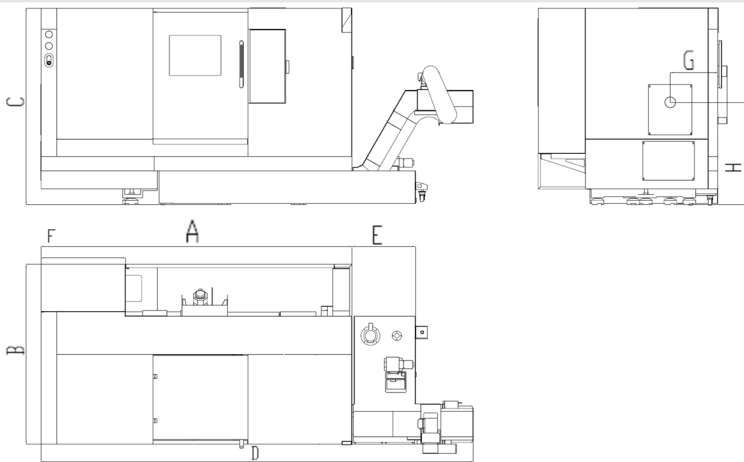
Sub spindle motor



Driven turret motor

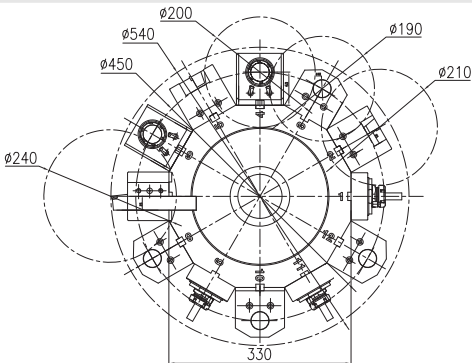


Machine dimension

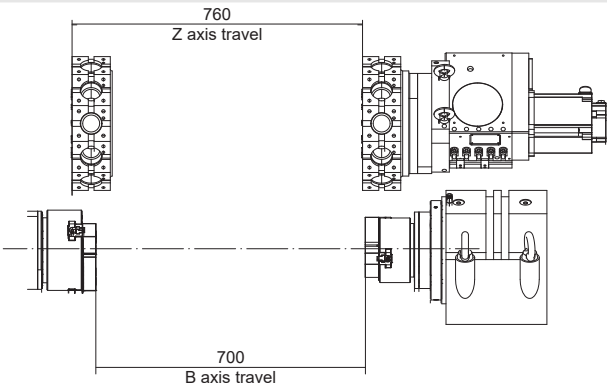


Model	A	B	C	D	E	F	G	H
SHL50W	3500	1750	1950	4800	400	900	380	1000

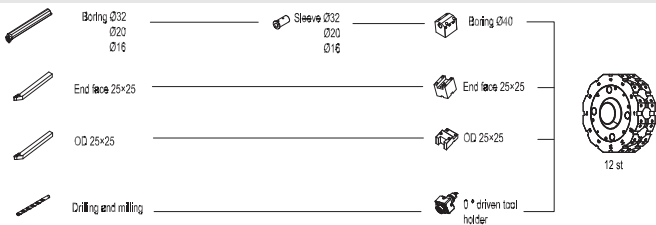
Interference



Processing range



Tooling system



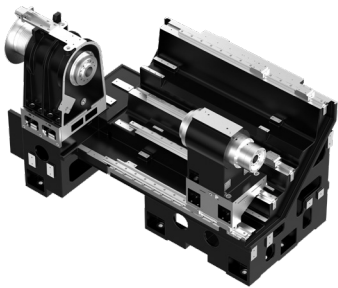
Structural characteristics

SHL60W

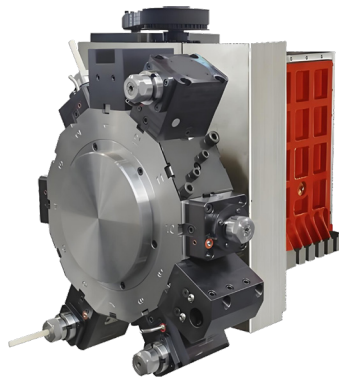
- Dual-spindles compound function horizontal turning center.
- Orthorhombic Y-axis- easy installation and debugging.



45° overall stepped inclined bed design provides high cutting and milling rigidity.



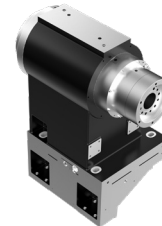
BMT55 Y axis offset driven turret realizes turning and milling compound processing.



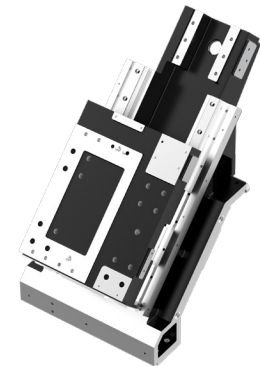
A2-6 mechanical main spindle -4500rpm + hydraulic hollow chuck.



A2-5 motorized sub spindle -5000rpm + hydraulic solid chuck.

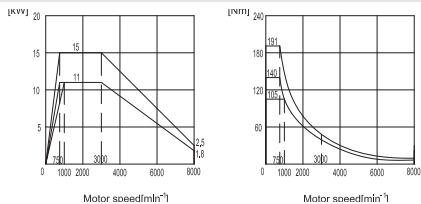


Hollow structure with larger span and reinforced ribs.

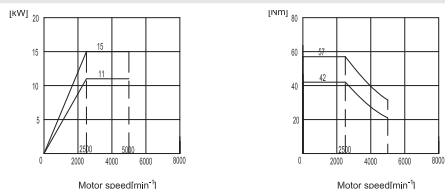


Spindle motor & Driven turret motor

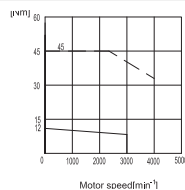
Main spindle motor



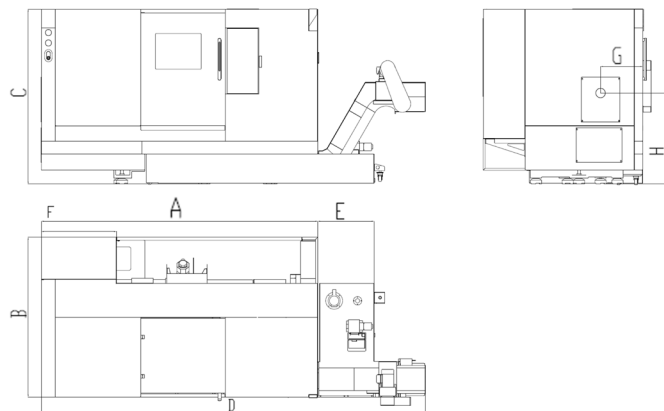
Sub spindle motor



Driven turret motor

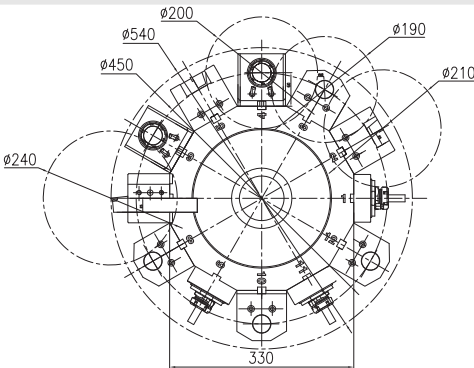


Machine dimension

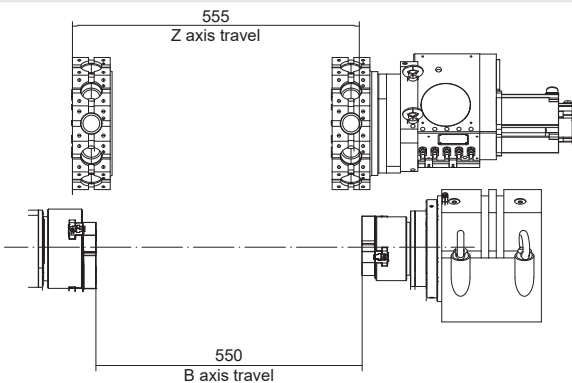


Model	A	B	C	D	E	F	G	H
SHL60W	3000	1850	2050	4150	600	900	450	1060

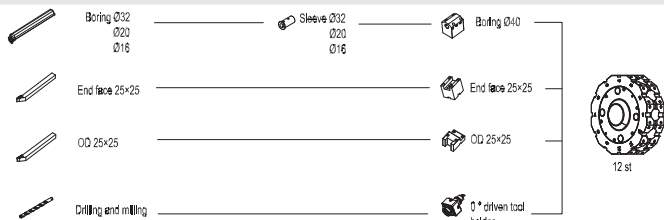
Interference



Processing range



Tooling system



F series

High cost performance



Parameters

	Unit	SHL40F	SHL40FC	SHL50F	SHL50FC
Max. swing over bed	mm	Φ400	Φ400	Φ500	Φ500
Max. turning length	mm	300	300	500	500
Max. turning diameter	mm	Φ320	Φ320	Φ360	Φ300
Max. swing over carriage	mm	Φ160	Φ160	Φ320	Φ300
Spindle nose	type	A2-5	A2-5	A2-6	A2-6
Spindle bore diameter	mm	Φ56	Φ56	Φ65	Φ65
Max. passing bar diameter	mm	Φ42	Φ42	Φ50	Φ50
Spindle speed	rpm	50 ~ 5000	50 ~ 5000	50 ~ 4500	50 ~ 4500
Motor power	kW	5.5/7.5	5.5/7.5	11/15	11/15
Standard chuck diameter	inch	Φ42 collet	Φ42 collet	8"	8"
X-axis rapid travers	m/min	20	20	30	30
Z-axis rapid traverse	m/min	24	24	30	30
X-axis traverse	mm	460	460	200	200
Z-axis traverse	mm	365	365	560	560
Tailstock travel	mm	/	/	400	400
Tailstock spindle taper		/	/	5#	5#
Turret type	T	Gang tool	Gang tool + Power milling head	Hydraulic 8st	Driven 12st
Change tool nearby		/	/	YES	YES
Machine weight	kg	2500	2500	3650	3650
Machine dimensions	mm	2200*1600*1700	2200*1600*1700	2275*1625*1825	2275*1625*1825

Structural characteristics

SHL40F SHL40FC

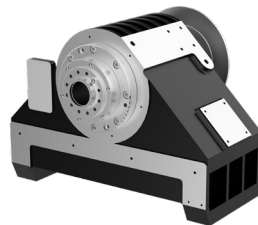
- Key components top domestic brands for economic choices.
- Small size models for processing various parts like shafts, discs, sleeves.



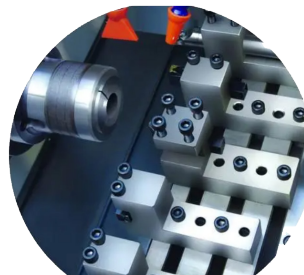
45° slanted and integral bed, compact structure. Small size, easy to install and operate.



A2-5/A2-5C spindle with hollow collet.



SHL40P: Gang tool.
SHL40PC: 3 gang tools+1 power milling head, integrating turning and milling process on one machine.

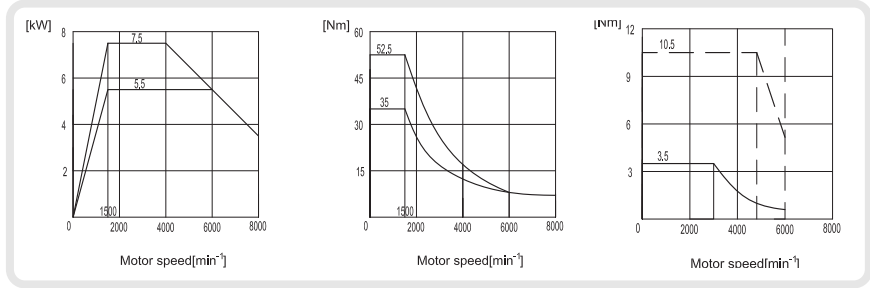


Optional for different kinds of milling heads.

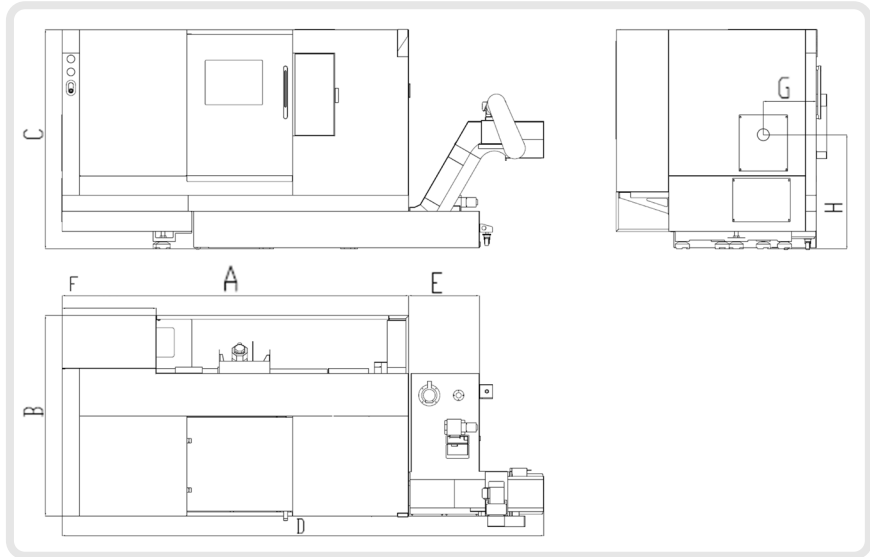


Spindle motor & Power milling head motor

SHL40F/SHL40FC spindle motor/power milling head motor



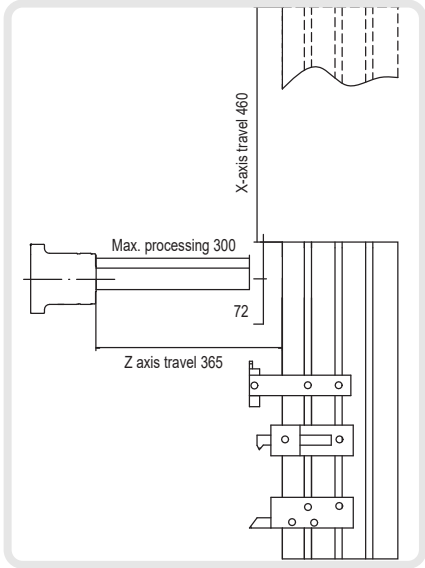
Machine dimension



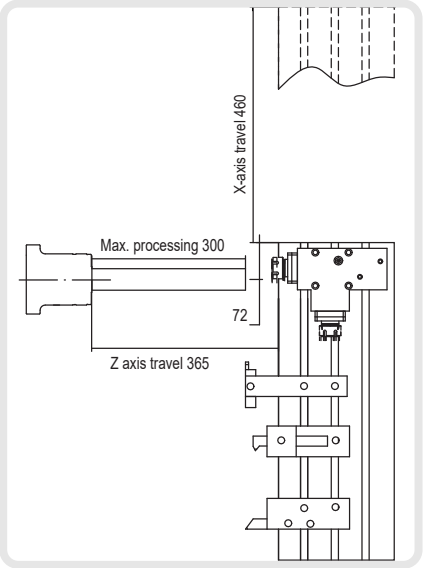
Model	A	B	C	D	E	F	G	H
SHL40F	2200	1600	1700	3435	0	800	530	1040
SHL40FC	2200	1600	1700	3435	0	800	530	1040

Processing range & Tooling system

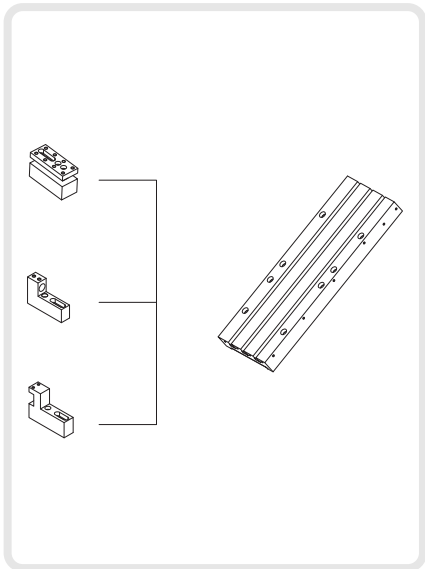
SHL40F



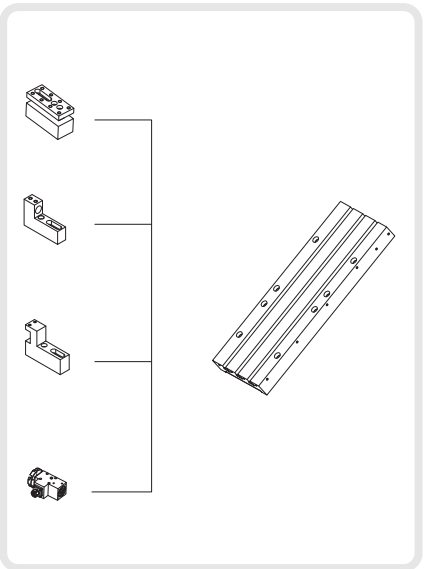
SHL40FC



SHL40F



SHL40FC



Structural characteristics

SHL50F SHL50FC

- Key components top domestic brands for economic choices.
- Medium size modes for processing various parts like shafts, discs, sleeves.

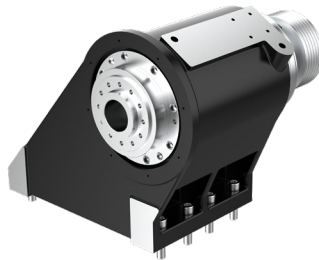


30° overall inclined bed, high structural stability and strong shock resistance.

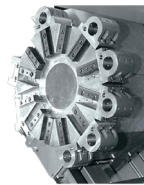
Wedge fixed and 8° bevel self-locking, stabilized guideway accuracy.



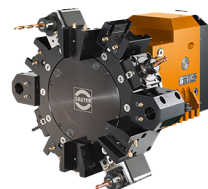
High rigidity A2-6/A2-6C spindle, long service life, no backlash, good vibration resistance.



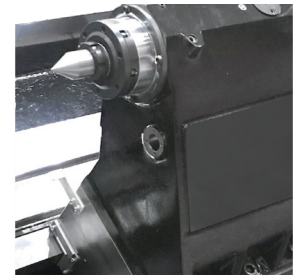
Hydraulic turret: accurate indexing, fast tool change.



Driven turret: turning and milling compound.

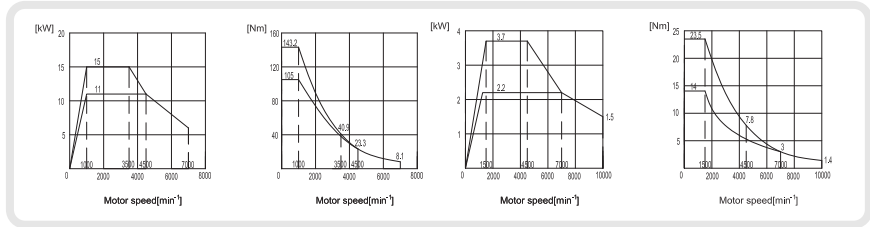


Quill type tailstock:
Mountain-flat tailstock guideway, designed for high rigidity;
Tailstock movement driven by saddle;
Quill movement driven by hydraulic and programmable optional.

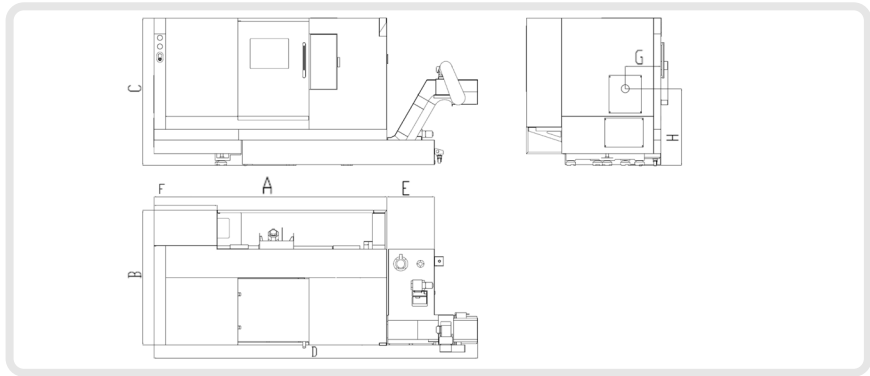


Spindle motor & Driven turret motor

SHL50F/SHL50FC spindle motor/driven turret motor



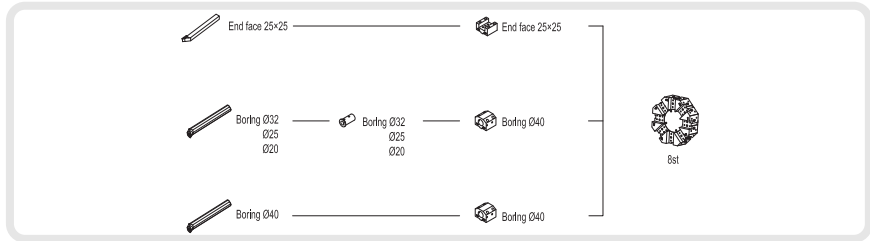
Machine dimension



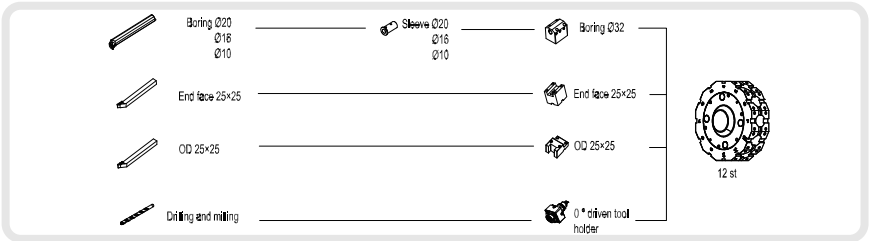
Model	A	B	C	D	E	F	G	H
SHL50F	2375	1625	1825	3980	0	800	380	1140
SHL50FC	2375	1625	1825	3980	0	800	380	1140

Tooling system

SHL50F

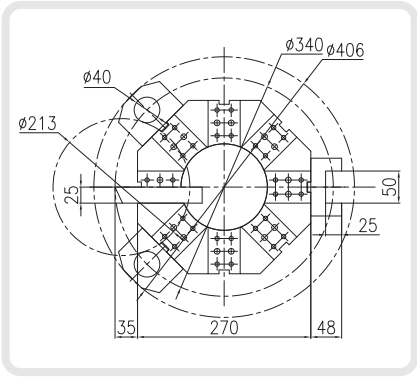


SHL50FC

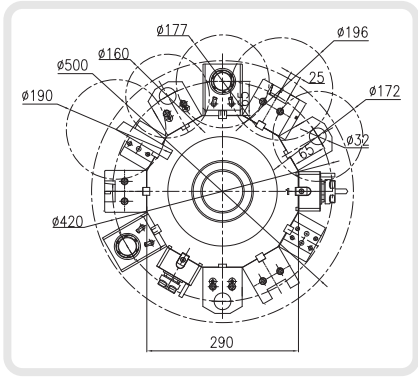


Interference

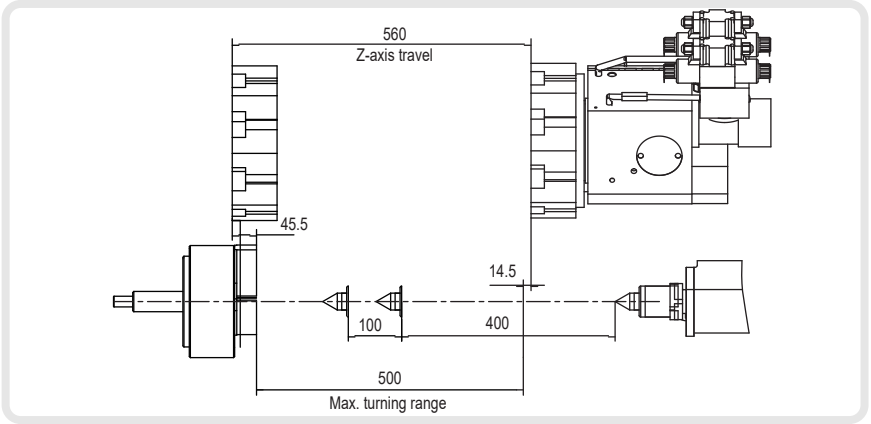
SHL50F



SHL50FC



Processing range



Industries application

Automotive

Wheel hub

Differential housing

Cage

Camshaft



Bearing

Thrust Bearing

Angular contact ball bearing

Deep groove ball bearing

Self-aligning roller bearing



Motor

End cap

Motor housing

Water pump shaft

Rotor shaft



Optional accessories

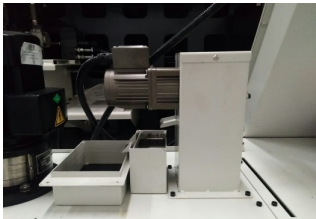
Air condition



Oil mist collector



Differential housing



Tool breakage detection



Anti collision protection



Bar feeder



Bar receiver



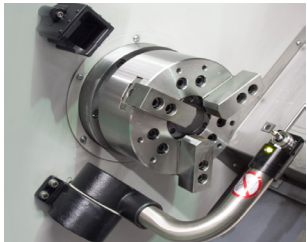
Steady rest



Workpiece measurement



Tool setter



Chuck in position detection



CTS



Fixture



Automatic door

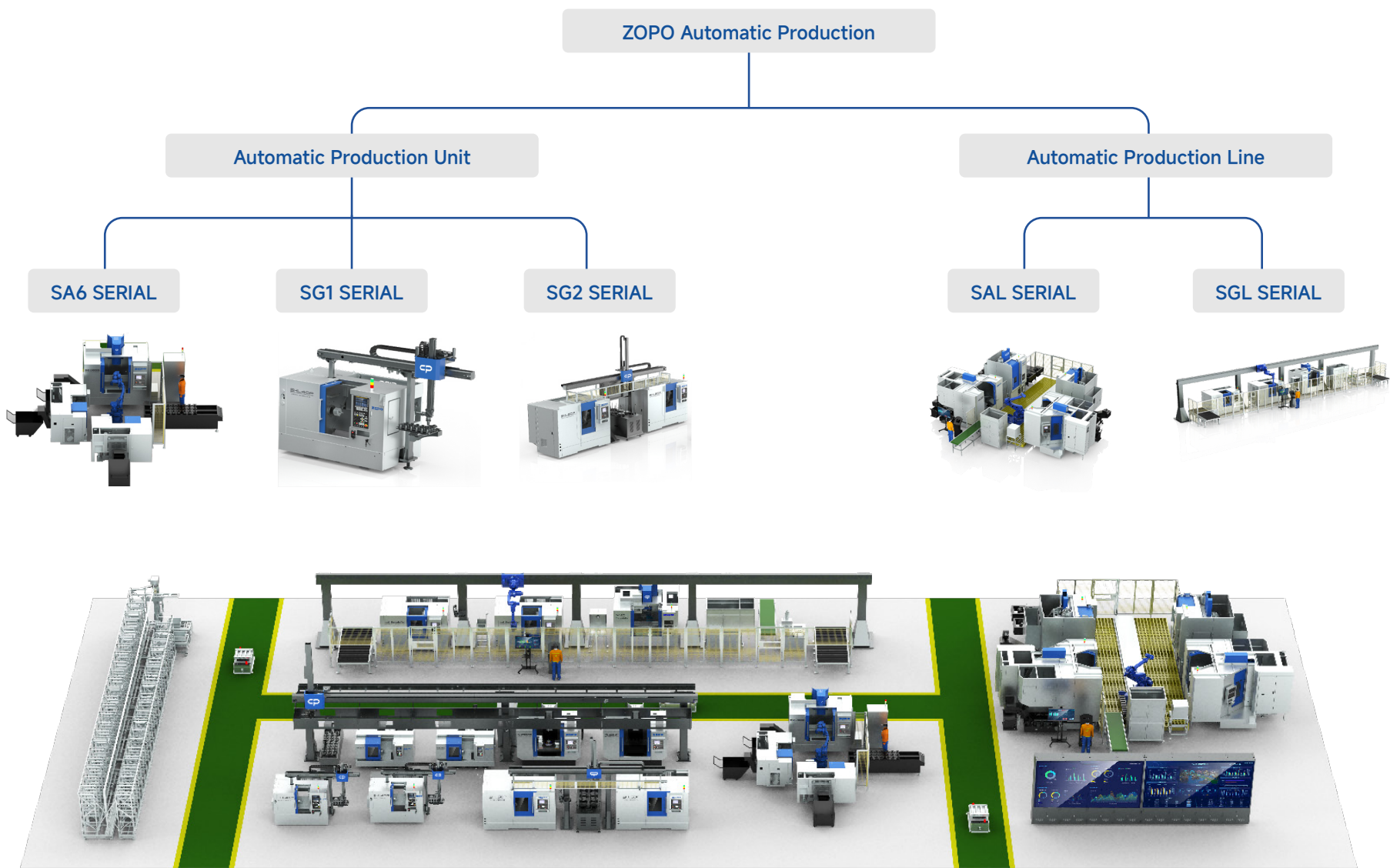


Driven tool holder



Turn-Key Solution/Automation

Zopo has successfully launched the "Automated Production Unit" series of products based our own CNC lathes, vertical machining centers, and other products, combined with mature robot logistics and handling application technology. At the same time, according to customer needs, we undertake customized projects such as "SGL series automated production line", "SAL series automated production line" and flexible automated production line.



SA6 series production unit

- Realize the single sequence or multi-sequence production;
- Robot technology is highly reliable, production efficiency is guaranteed;
- Realize the loading and unloading requirements of irregular workpieces with different shapes or heavy parts;



SG1 series production unit

- Realize single sequence or two sequence;
- Compact structure, small footprint;
- Less investment, high returns;

Workpiece		SG1.010	SG1.025
Load (kg)	Workpiece weight	2×2	5×2
	Z axis loading capacity	10	25
Rapid feed speed (m/min)	X axis	60	
	Z axis	60	
Re-positioning accuracy		±0.1mm	

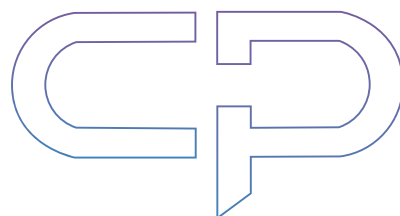


SG2 series production unit

- Realize the two-sequence production of the workpiece;
- Two-axis high-speed gear and rack drive module, faster response;
- The structure layout is better and the operating path is shortest;

Workpiece		SG 2.025	SG 2.050	SG 2.100
Load (kg)	Workpiece weight	5×2	10×2	20×2
	Z axis loading capacity	25	50	100
Rapid feed speed (m/min)	X axis	70	70	70
	Z axis	50	50	50
Re-positioning accuracy	Re-positioning accuracy	±0.1mm	±0.2mm	±0.2mm





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