

CAK6140/CAK6150/CAK6161 CAK6166/CAK6180

CNC lathe machine



Application

- CAK series CNC lathe machine is an economical ,practical type machine tools iwth good quality .
- The machine has a very wide use which is suitable or internal and external turning ,tapering,circular arc ,thread , boring ,reaming of axle and disk workpiece .It also can achieve non-circular curve machining ,You can choose the CNC system and optional accessories according to your requirement .

Features

- Big torque ,high precision spindle
- Hydraulic shift ,easy operate
- Z axis feed is directly connected which has high transmission accuracy and high positioning accuracy
- Vertical 4 position electric toolpost with high positioning accuracy

SPECIFICATIONS	Unit	CAK6140 CAK6140B CAK6140C	CAK6150 CAK6150B CAK6150C	CAK6161 CAK6161B CAK6161C	CAK6166 CAK6166B CAK6166C	CAK6180 CAK6180B CAK6180C
Max.swing over bed	mm	400	500	610	660	800
Max.processing length	mm	750/1000/1500/2000/3000				
Spindle taper		MT6(∅90 1:20 for B)[∅113 1:20 for C]				
Chuck size	mm	C6(D8)[D8]				
Spindle bore	mm	52(80 for B)[105 for C]				
Spindle speed 3 steps (auto change gear)	rpm	Independent spindle:100-1600 21-1500(162-1500,66-500,21-150)				
Tailstock sleeve travel	mm	150				
Tailstock sleeve taper		MT5				
Position accuracy	mm	±0.015				
Repositioning accuracy	mm	±0.006				
X/Z axis rapid traverse	m/min	4/6				
Spindle motor	kw	7.5			11	
Machine dimension for 750	mm	2550x1550x1700			2550x1550x1900	
Machine dimension for 1000	mm	2750x1550x1700			2750x1550x1900	
Machine dimension for 1500	mm	3250x1550x1700			3250x1550x1900	
Machine dimension for 2000	mm	3700x1550x1700			3700x1550x1900	
Machine dimension for 3000	mm	4710x1550x1700			4710x1550x1900	
Machine weight for 750	kg	2100/2800	2120/2900	2250/2850	2300/2900	2400/3000
Machine weight for 1000	kg	2200/2900	2240/3000	2400/3000	2450/3050	2550/3150
Machine weight for 1500	kg	2300/3150	2350/3200	2600/3200	2650/3250	2750/3350
Machine weight for 2000	kg	2700/3350	2740/3400	2830/3400	2880/3450	2980/3550
Machine weight for 3000	kg	3500/4100	3600/4200	3650/4250	3700/4300	3800/4400

CWK6163 / CWK6180 / CK61100 CWK61125

Heavy duty cnc lathe machine



Features

- The series products adopts one piece cast iron foot stand of lathe,ensure the machine has strong rigidity.
- Induction hardened bed way ,hardness is around HRC50 .
- Feeding system adopts servo motor ,precise ball screw ,high rigid and the precise composite bearing structure which can give us accurate positioning and efficient transmission.
- Spindle speed is high ,range of speed-changing is wide and frequency conversion of motor makes it possible to shift speed freely .
- The appearance of the machine tool protection design is according to international popular trend ,novel and unique , waterproof ,and the prevent crumbs ,easy for maintenance .
- Spindle servo motor control is optional .
- Equipped with the central lubrication system
- According to customer demand ,hydraulic chuck and hydraulic tailstock are optional .

ITEM	SPECIFICATIONS	Unit	CWK6163	CWK6180	CWK61100	CWK61125
Technical specification	Max.swing over bed	mm	630	800	1000	1250
	Max.swing over cross slide	mm	350	500	660	880
	Max.processing length	mm	1000-12000			
	Bed width	mm	550		660	
	Max.work piece weight	T	2		3	
Main drive	Form		Three step variable speed			
	Spindle speeds	R/min	25-800		15-1500	
	Spindle nose		C11(D11)			
	Spindle bore	mm	105		130	
	Spindle taper		公制Metric 120 1:20		公制Metric 140 1:20	
Feeding system	Model of main motor		YVP160M-4-11KW		YVP180L-6-15KW	
	Maximum cross travel of tool post		X:530 /Z:1200,1650,3100		X:530 /Z:650,3100,6100	
	Ball-screw diameter *pitch	mm	X:3205 /Z:5010-6312		X:3205 /Z6310	
	Rapid traverse	mm/min	X:4000/Z:5000		X:4000/Z:5000	
	Positioning accuracy	mm	X:0.03/Z:0.04		X:0.25/Z:0.03	
	Repeat positioning accuracy	mm	X:0.012/Z:0.016		X:0.01/Z:0.015	
	Processing accuracy		IT6-IT7		IT6-IT7	
	Workpiece surface roughness	mm	Ra1.6		Ra1.6	
Tailstock	Tailstock sleeve dia.	mm	100		100	
	Tailstock sleeve travel	mm	250		250	
	Tailstock sleeve taper	Morse	Morse 6		Morse 6	
Turret	Standard configuration		Four-station Vertical electric turret		Four-station Vertical electric turret	
	Optional configuration		Horizontal Six-station electric turret		Horizontal Six-station electric turret	
	Repeat positioning accuracy	mm	0.01		0.01	
	Tool section size	mm	32x32		32x32	
Control system	Standard configuration		NHC-210A GSK980TD		NHC-210A GSK980TD	
	Optional configuration		KND. FANUC. SIEMENS		KND. FANUC. SIEMENS	
	Servo motor		X:130SJT-M210A Z:175SJT-M300B		X:130SJT-M150B Z:175SJT-M220B	
Machine dimension	Length x Width x Width	mm	4750x1820x1780(3000mm)		4750x1920x1800(3000mm)	
weight	Net weight	kg	4100(000mm)		6000(1500mm) 8500(300mm) 13500(600mm)	

CK6136/CK6140 CK6150

CNC lathe Machine



Application

- The machine is suitable to process all kinds of small and middle-sized shaft and plate workpiece, and could also turn various threads, circle arc, circle cone, inside and outside surface of revolved body. This machine is widely used in sanitary, value electrical appliance, instrument, automobile, motor cycle bearing and so on.

Features

- Widening high stability bed
- Two gear spindle speed, stepless in gear
- Wider layor board
- Intergrated automatic lubrication system

SPECIFICATIONS	Unit	CK6136	CK6140	CK6150
Max.swing over bed	mm	Φ360	Φ400	Φ500
Max.swing over cross slide	mm	Φ150	Φ180	Φ280
Distance between centers	mm	1000/1500	1000/1500	1000/1500
X/Z axis travel	mm	X:220 Z:1050/1600	X:220 Z:1050/1600	X:220 Z:1050/1600
Spindle transmission type		Mechanical 2 gear transmission, in gear variable speed	Mechanical 2 gear transmission, in gear variable speed	Mechanical 2 gear transmission, in gear variable speed
Spindle speed	rpm	L:70 ~ 560 , H:200 ~ 1600	L:70 ~ 560 , H:200 ~ 1600	L:70 ~ 560 , H:200 ~ 1600
Spindle nose		C6	C6	C6
Thru-hole dia.of spindle	mm	52	52	52
Spindle taper		MT6	MT6	MT6
Spindle motor	KW	5.5	5.5	7.5
Chuck size	mm	200	200	250
Ball screw dia.and pitch	mm	φ25X6/φ40X8	φ25X6/φ40X8	φ25X6/φ40X8
X/Z axis feed motor torque	N.m	X:6 Z:10	X:6 Z:10	X:6 Z:10
X/Z axis feed motor power	KW	X:1.5 Z:2.5	X:1.5 Z:2.5	X:1.5 Z:2.5
X/Z axis rapid traverse	m/min	X:6 Z:8	X:6 Z:8	X:6 Z:8
X/Z axis Position accuracy	mm	0.02/0.025	0.02/0.025	0.02/0.025
X/Z axis repeatability	mm	0.01/0.015	0.01/0.015	0.01/0.015
Processing accuracy		IT6-IT7	IT6-IT7	IT6-IT7
Workpiece surface roughness		Ra1.6	Ra1.6	Ra1.6
Tailstock sleeve dia.	mm	65	65	75
Tailstock sleeve travel	mm	140	140	140
Tailstock sleeve taper	#	MT4	MT4	MT5
Tool post type		Electric 4 station	Electric 4 station	Electric 4 station
Cutting tool shape size	mm	20X20	20X20	25X25
Guide form		single mountain+flat rail	single mountain+flat rail	single mountain+flat rail
Total power capacity	KVA	10	10	10
Machine dimension(L×W×H)	mm	2500/3000X1500X1650	2500/3000X1500X1650	2500/3000X1500X1650
N.W.	kg	1500/2000	1800/2300	2000/2500

CK6120 CK6125

CNC lathe machine

Features

- High frequency quenching of guide rail, high hardness and wear resistance
- Spindle bearings with angular contact ball bearings, High speed and high rigidity
- Upgrade products from meter lathe ,with high rate of price and performance .Ball lead screw .
- Standard :pneumatic spring collet,gang type tool post
- Optional :electric tool post ,automatic feed device ,tailstock

Application

This machine is widely used in electrical equipment, Instrument apparatus industry, Cars, Motorcycle parts, Fastener bearing, Photographic equipment, movie mechanical, hardware various clocks and watches The glasses, Stationery,electric machinery, Valves, Gas pipe fittings and other high precision machining and manufacturing of complex parts, Is a hardware machinery processing industry the most ideal efficient equipment. Is a hardware machinery processing industry the most ideal efficient equipment.



SPECIFICATIONS	Unit	CK6120	CK6125
Max.swing over bed	mm	190	230
Max. Swing over cross slide	mm	80	125
Max. Processing length	mm	200	200
X/Z travel	mm	300/320	300/320
Spindle nose		A2-4	A2-5
Spindle bore	mm	37	50
Bar capacity	mm	30	41
Spindle speed	rpm	150-2500	150-2500
Chuck type	in	夹头	夹头
Spindle motor	kw	3	3
X/Z axis repeatability	mm	±0.005	±0.005
X/Z axis feed motor torque	N.m	X:4 Z:4	X:4 Z:4
X/Z rapid traverse	Mm/min	X8/Z10	X8/Z10
Tailstock sleeve dia.	mm	45 (可选)	45 (可选)
Tailstock sleeve travel	mm	50 (可选)	50 (可选)
Tailstock taper		MT4 (可选)	MT4 (可选)
Tool post type		排刀	排刀
Cutting tool shape size	mm	16x16	16x16
Guide rail form		Double mountain	Double mountain
Machine dimension(LxWxH)	mm	1500x1000x1600	1500x1050x1750
Net weight	Kg	800	850

CNC LATHE MACHINE

CK6130 CK6132

CNC lathe machine

Application

This machine is widely used in processing and manufacture the electric appliance ,instrumentation industry ,automobile ,motorcycle , fastener bearings ,photographic and film machinery ,hardware tools , watches ,glasses ,stationery ,motors , valves and gas pipe and other high precise and complex components .It is the ideal high efficient equipment in the hardware machining industry .



SPECIFICATIONS	Unit	CK6130	CK6132
Max.swing over bed	mm	300	320
Max. Swing over cross slide	mm	100	110
Max. Processing length	mm	500	500
X/Z travel	mm	300/500	300/500
Spindle bore	mm	60 or 52	60 or 52
Spindle speed	rpm	100-2000	100-2000
Spindle motor	kw	4	4
Coolant pump motor	kw	0.09	0.09
X axis feed speed	R/min	1-1500	1-1500
Z axis feed speed	R/min	100-3000	100-3000
X axis rapid feed speed	R/min	500-4500	500-4500
Z axis rapid feed speed	R/min	1000-5000	1000-5000
Tailstock sleeve travel	mm	90	90
Tailstock taper		MT4	MT4
Tool post type		4 station vertical tool post or 3 gang type tool post	4 station vertical tool post or 3 gang type tool post
Cutting tool shape size	mm	20x20	20x20
Machine dimension(LxWxH)	mm	1700x1020x1800mm	1700x1020x1800mm
Net weight	Kg	1000	1100

CAK6150V CAK6160V

One-piece casting hard guide rail cnc lathe



SPECIFICATIONS	Unit	CAK6150V	CAK6160V
Max.swing over bed	mm	500	600
Max.swing over cross slide	mm	280	395
Max.processing length	mm	1000/1500	1000/1500
X/Z axis travel	mm	X:300 Z:1000/1600	X:300 Z:1000/1600
Spindle nose		A2-8/11	A2-8/11
Spindle bore	mm	82	82/130(optional)
Bar capacity	mm	65	65/120
Max. spindle speed	rpm	1800	1600/800
Chuck size	mm	250	250/380
Spindle motor	KW	7.5	11
X/Z axis repeatability	mm	±0.005	±0.005
X/Z axis feed motor torque	N.m	5/7.5 (1 m) 7.5/10 (1.5m)	5/7.5 (1 m) 7.5/10 (1.5m)
X/Z axis rapid traverse	m/min	8/10	8/10
Tailstock sleeve dia.	mm	75	75
Tailstock sleeve travel	mm	200	200
Tailstock sleeve taper	#	MT5	MT5
Tool post type		4 station electric tool post	4 station electric tool post
Cutting tool shape size	mm	25x25	25x25
Guide form		Flat bed	Flat bed
Total power capacity	KVA	13	15
Machine dimension(LxWxH)	mm	2950/3630x1520x1750	2950/3610x1520x1820
Net weight	kg	2850	3150

Application

- Machine can automatically process the inside cylinder surface ,cone surface, circular arc surface ,end face ,such as processing ,and also can process the single and multiple threads in metric ,inch and other standards.

Features

- A high strength ,widening the carriage , suitable for heavy cutting
- Four station electric tool post
- Frequency conversion stepless speed regulation
- Standard configuration: manual chuck
- Optional configuration: hydraulic chuck

H36/H46 H6236/H6246

Flat Bed Linear Guide Rail CNC Lathe

Application

- The machine is suitable to process all kinds of small and middle-sized shaft and plate work piece, and could also turn various threads, circle arc, circular cone, inside and outside surface of revolved body. This machine is widely used in sanitary, valve, electrical appliance, instrument, automobile, motorcycle, bearings and so on.

CNC Lathe Features

- Higher accuracy Taiwan linear guideways
- Higher speed spindle unit, Optional homemade spindle
- Higher rigidity cast iron
- Integrated automatic of H6236 and H6240, linear guideways in X axes are reversely installed.



SPECIFICATIONS	Unit	H36	H46	H6236	H6240
Max.swing over bed	mm	360	460	360	420
Max.swing over cross slide	mm	110	140	110	140
Max.processing length	mm	250	330	250	330
X/Z axis travel	mm	340/250	360/330	270/250	300/380
Spindle nose		A2-5	A2-5	A2-5	A2-5
Spindle bore	mm	48	56	48	48
Bar capacity	mm	38	42	38	38
Max. spindle speed	rpm	2500/4000	3500	4000	4000
Chuck size	mm	6	8	6	6
Spindle motor	KW	4	5.5	4	5.5
X/Z axis repeatability	mm	±0.003	±0.003	±0.003	±0.003
X/Z axis feed motor torque	N.m	X:4 Z:4	X:4 Z:6	X:6 Z:6	X:6 Z:6
X/Z axis rapid traverse	m/min	15/15	15/15	15/15	15/15
Tool post type		4 gang type tool post			
Cutting tool shape size	mm	20x20	25x25	20X20	20X20
Guide form		Linear guide rail	Linear guide rail	Linear guide rail	Linear guide rail
Total power capacity	KVA	8	9.5	8.5	10
Machine dimension(LxWxH)	mm	2000/1400x1580	2335x1815x1605	2120X1400X1600	2000X1300X1600
Net weight	kg	1500	2200	1500	2200

CNC Lathe Features

- Two spindle
- Taiwan higher accuracy linear guideways
- Higher working efficiency
- Automatic lubricating

H6236 × 2

Double spindle linear guide rail cnc lathe



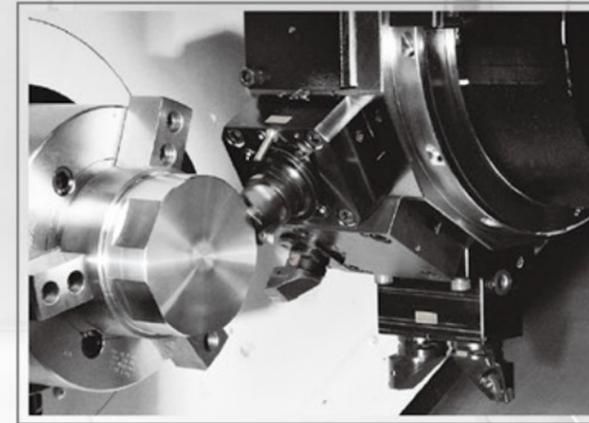
Application

- The machine is two spindle CNC lathe machine with higher speed, higher precision and higher reliability. The spindle is in unit structure, the motion given by the frequency motor will be transferred to the spindle through synchronous belt, thus we can get the highest speed. The spring clamps are employed for the clamping the workpiece, which makes the clamping more convenient, the accuracy highly improved and the operating strength saved. Spindle bearing is contacted by 5 angular, 3 of which are placed in the front and 2 in the back. It makes the higher speed and higher rigidity. Machine Tool adopts reverse loading slide saddle, linear guide rail, has the stronger rigidity, faster feeding speed, easier chip removing. X and A axis screws are in the middle of the carriage, force well-distributed smooth in the movement, higher in speed. Fully shield machine house does not leak oil and water, green and beautiful.

SPECIFICATIONS	Unit	H6236×2
Max.swing over bed	mm	350
Max.swing over cross slide	mm	110
Max.processing length	mm	Collet300/chuck200
X/Z axis travel	mm	270/250
Spindle nose		A2-5
Spindle bore	mm	48
Bar capacity	mm	38
Max. spindle speed	rpm	4000
Spindle motor	KW	5.5
X/Z axis repeatability	mm	±0.003
X/Z axis feed motor torque	N.m	X:6 Z:6
X/Z axis rapid traverse	m/min	15/15
Tool post type		4 gang type tool post
Cutting tool shape size	mm	20X20
Guide form		Linear guide rail
Total power capacity	KVA	8.5
Machine dimension(LxWxH)	mm	2900X1400X1650
Net weight	kg	2600

SCK6040 / SCK3040 SCK3040L / SCK4558

SCK series CNC lathe



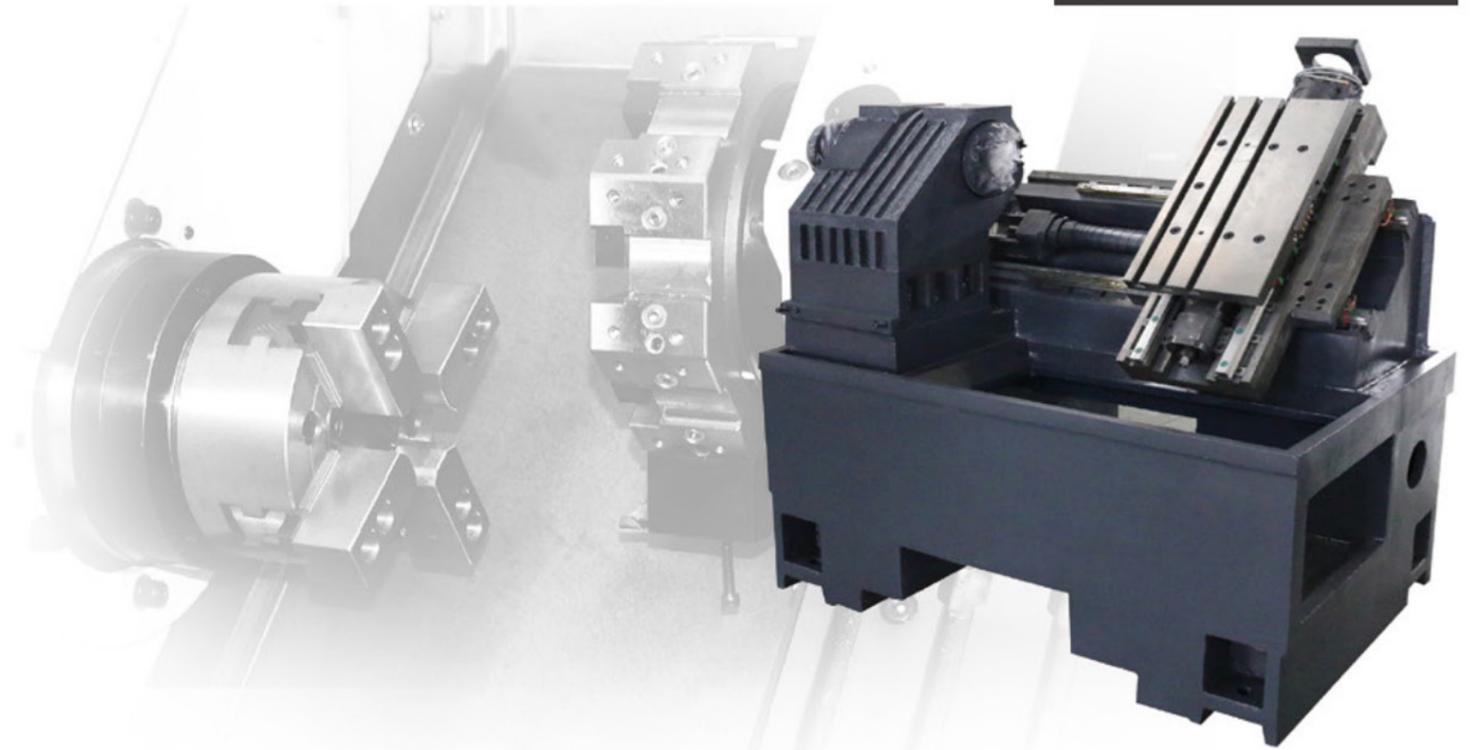
Product features

- TC series CNC lathe is designed with high strength, rigidity and with advanced machine structure, defense, and security. The machine adopts the high rigidity cast iron, base and monolithic structure, high precision through-hole structure, vibration resistance designed and high range spindle motor. The bearings and feeding screw adopt the world famous brand, equipped with multi-position tools post, tools are easily changed and changed fast with high precision. CNC system can adopt FANUC Oi-TD, FANUC Oi-Mate TD, SIMENSE 810D, SIMENSE 820D, DASEN 3i, and other brand can also be chosen, the hydraulic parts, lubrication parts, chuck adopt the high quality productions well.
- The outlook is designed well, working panel can be easily operated, full cover. Comparing with other same type, our product owns higher precision and performance and big power.

SPECIFICATIONS	Unit	SCK6040	SCK3040	SCK3040L	SCK4558
Bed incline	°	60	30	30	45
Max. workpiece length	mm	300	580	900	960
Cutting capacity over bed	mm	φ200	φ400	φ400	φ360
Cutting capacity over support	mm	φ400	φ450	φ450	φ580
Chuck size		A2-5	A2-6	A2-8	A2-8
Spindle motor power	kw	7.5	7.5	7.5	15
spindle speeds	rpm	60-5000	4500	3500	100-2600
Spindle bore	mm	φ55	φ62	φ72	φ87
Dia. of bar through spindle bore	mm	φ40	φ50	φ60	φ70
Rapid feed speed	m/min	20	18	18	15
X travel	mm	400	210	230	350
Z travel	mm	320	600	900	960
Tailstock sleeve diameter	mm	-	65	65	100
Tails stock sleeve travel	mm	-	100	100	120
Tail stock travel	mm	-	450	780	1000
Tail stock taper	-	-	MT4	MT4	MT5
Positioning accuracy	mm	±0.008(X)±0.011(Z)	±0.008(X)±0.011(Z)	±0.008(X)±0.011(Z)	±0.008(X)±0.011(Z)
Repositioning accuracy	mm	±0.003(X)±0.005(Z)	±0.003(X)±0.005(Z)	±0.003(X)±0.005(Z)	±0.003(X)±0.005(Z)
Machine dimensions(LxWxH)	mm	2200x1750x1880	2200x1750x1880	2200x1750x1880	4200x2000x2000

SCK6339 / SCK6350

Slant bed CNC lathe



Product main features

- 45 degree slant bed cnc lathe
- High accuracy Taiwan linear guideways
- Chip conveying capacity is large and convenient ,customer could choose chip conveying in the right or in the back
- Spindle unit has two types ,the heavy duty cutting type and the high speed type.The first one is suitable for bearing and gear processing .The second type is suitable for high speed and high precision processing.Customers could choose any type of them
- Screw pre-stretching structure • Gang type tool post • Optional turret

SPECIFICATIONS	Unit	SCK6339(S)	TCK6350
Max.swing over bed	mm	390	Φ520
Max.swing over cross slide	mm	130	Φ220
Max.processing length	mm	200(400)	410(gang tool)/530 (turret)
X/z travel	mm	400/300(500)	500/500
Spindle unit	mm	Φ140/Φ170	200
Spindle nose		A2-5	A2-6/A2-8
Spindle bore	mm	Φ48/Φ56	66
Spindle drawn tube diameter	mm	Φ40/Φ45	55
Max.spindle speed	rpm	4000/3500	3000
Chuck size	in	6/8	10
Spindle motor	kw	3.7/5.5	7.5/11
X/Z axis repeatability	mm	+/-0.003	+/-0.003
X/Z feed motor torque	N.m	6/6	7.5/7.5
X/Z rapid traverse	m/min	18/15(18/18)	18/18
Tool post type		Gang type tool post (turret optional)	Gang type tool post (turret optional)
Cutting tool shape size	mm	20*20	25*25
Guide form		Integral type 45°	Integral type 45°
Total power capacity	KVA	9/11	14/18
Machine dimensions(LxWxH)	mm	2200(2390)x1530x1780	2550x1400x1710
N.W.	kg	2200(2500)	2900

SCK420 / SCK520

Slant bed CNC lathe



Application

- The machine are the slant bed cnc machine tools of higher speed ,higher precision and higher reliability.The spindle is in unit structure ,servo main motor for high speed.The hydraulic chuck is employed for clamping the workpiece ,which makes the clamping by 5 angular ,3 of which are placed in the front and 2 in the back.It makes the higher speed and higher rigidity .Machine adopts 30 degree oblique slide saddle and liner guide rail ,stronger in rigidity,faster in feeding speed and easier in chip removal .The X and Z axis screws are in the middle of the carriage ,well-distributed in force,smooth in movement ,higher in speed .The 8-tool hydraulic turret changers tools quickly ,stably ,precisely and chooses tool from the nearest .It is easy to operate hydraulic tailstock.Full shield machine house does not leak oil and water ,green and beautiful .

SLANT BED CNC LATHE SERIES

CNC Lathe Features

- Taiwan higher accuracy linear guide ways
- Taiwan ball screw
- Hydraulic magazine
- Taiwan hydraulic chuck
- Hydraulic tailstock
- Taiwan hollowed rotary cylinder

SPECIFICATIONS	Unit	SCK6040	SCK3040
Max.swing over bed	mm	420	520
Max.swing over cross slide	mm	200	320
Max.processing length	mm	400	500
X/Z axis max.travel	mm	160/400	220/500
Spindle nose		A2-6	A2-8
Spindle bore	mm	66	80
Bar capacity	mm	50	60
Max.spindle speed	rpm	3000	2500
Chuck	in	8	10
Spindle motor power	kw	5.5	7.5
X/Z axis repeatability	mm	+/-0.003	0.003
X/Z axis feed motor torque	N.M	5/7.5	7.5/7.5
X/Z rapid traverse	M/min	12	10
Tailstock travel	mm	350	350
Quill travel	mm	90	100
Tailstock taper		MT4	MT5
Tool post type	mm	8 station hydraulic turret	8 station hydraulic turret
Tool post size	mm	20x20	25x25
Guide form		30° degree	30° degree
Guide rail movement way		Linear guide rail	Linear guide rail
Total power capacity	KVA	11	15
Machine dimensions(LxWxH)	mm	2300x1500x1650	2450x1600x1700
Weight	kg	3000	4200