

**Features:**

- Adopt China best high strength compound resin sand cast iron
- Two times aging treatment, has good vibration absorption and rigidity
- Guideway hardened by ultrasonic frequency and precise ground, good precision keeping
- Guideway stick PTFE, remove creeping, obviously increase precision, wearability and anti-impact force
- Spindle use high precision bearing
- Adopt manual 3 class integral gear box type spindle, high rigidity, suitable for heavy turning



Machine Frame



Manual 3 class gear spindle



4 station tool turret



Strong tailstock



GSK980TDi

Specification:

Item	Specification	Unit	BL-SK40S	BL-SK50S	BL-SK66Q
Capacity	Guideway width	mm	390		
	Max. swing dia. over bed	mm	Φ400	Φ500	Φ660
	Max. swing dia. over slide	mm	Φ200	Φ280	Φ440
	Max. turning dia. (vertical 4T/horizontal 6T tool turret)	mm	Φ400/350	Φ500/350	Φ550/350
	Max. workpiece length (vertical 4T/horizontal 6 T tool turret)	mm	710/620; 960/870; 1460/1370; 1960/1870; 2960/2870(for SK40S/50S)		
	Max turning length (vertical 4T/horizontal 6 T tool turret)	mm	570/500; 820/750; 1320/1250; 1820/1750; 2820/2750(for SK40S/50S)		
	Max. workpiece weight	kg	700(10" manual chuck);550(8" hydraulic chuck); 700(10" hydraulic chuck);		
Spindle	Spindle bore	mm	Φ77(opt.:82,105)		
	Spindle head type	/	ISO702/ I A2-8(opt.:D8)		
	Spindle taper hole	/	Metric 1:20		
	Spindle speed	rpm	3 class gears H:162~1620 M:66~660 L:21~210		
	Spindle motor	kw	7.5(servo)		
	Spindle max. output torque	Nm	800		
	Chuck size	/	10"		
X/Z axes	X axes travel(vertical 4T/horizontal 6T tool turret)	mm	275/235		
	Z axes travel	mm	600/850/1350/1850/2850(for SK40S/50S)		
	X/Z axes rapid speed	m/min	6/8		
	X axes ball screw O.D./pitch	mm	Φ25/5		
	Z axes ball screw O.D./pitch	mm	Φ40/6(750,1000,1500mm);Φ50/6(2000mm); Φ63/8(3000mm)		
Tool post	Tool turret type	/	Vertical 4/Horizontal 6 station		
	Tool shank size	mm	25×25		
Tailstock	Tailstock quill dia.	mm	Φ75(hydraulic tailstock: Φ80)		
	Tailstock quill travel	mm	150(hydraulic tailstock: 130)		
	Tailstock quill taper	/	MT5#		
Accuracy	X/Z axes positioning accuracy	mm	0.026/0.032(750mm),0.036(1000mm), 0.040(1500,2000,3000mm)		
	X/Z axes repeatability positioning accuracy	mm	0.007/0.009(750mm), 0.011(1000mm), 0.014(1500/2000/3000mm)		
	Turning workpiece roundness	mm	0.004		
Others	N.W.	kg	2050/2100/2150/2200/3500		2150/2200/2250/2300
	Overall size(L×W×H)	mm	2450/2700/3200/3700/4700×1500×1700		2450/2700/3200/3700×1500×1700

* The marked accuracy just follows CHINA national standard GB/T 25659.1, actual accuracy is much higher

Main parts list:

Item	Brand
Spindle bearing	CHINA top-CSC/ZWZ
Ball screw bearing	CHINA top-CSC
Ball screw	CHINA top
Lubrication pump	JAPAN-LUBE

Standard configuration:

- FANUC 0i TF CNC Controller
- Manual chuck
- 4 station tool post
- Manual tailstock

Optional configuration:

- SIEMENS 808D/GSK980TDi
- Hydraulic chuck
- 6 station tool turret
- Hydraulic tailstock