

SENFENG



Machine

SLANT BED CNC LATHE

SF-TCK50/SF-TCK56-500/SF-TCK600S/SF-TCK70-1000

TRUN-MILL MACHINING CENTER

SF-TCK56Y/SF-TCK600Y/SF-TCK3100SY

VERTICAL MACHINING CENTER SERIES

SF-VL855/SF-VL1160/SF-VL1370/SF-VL1580/SF-VL1690

GANTRY MACHINING CENTER

SF-DT2220/SF-DT3220/SF-DT4225/SF-DT6237/

SF-DT8542/SF-DZ16562



SENFENG Introduction

SENFENG is a global metal processing equipment enterprise, aiming to provide metal processing automation solutions for global users. It has mastered a number of core technologies, integrating cutting, bending, welding, cladding, automation, new energy, and CNC Milling Machines, and has become a technologically innovative enterprise in the development of the whole metal processing industry chain. Senfeng is deeply cultivating the global market and laying out the globalization strategy. At present, we have set up subsidiaries and service centers in Germany, the United States, the

United Arab Emirates, India, Pakistan, Vietnam, Jordan and other countries, and our products are sold to more than 100 countries and regions all over the world. Our products are widely used in the manufacture of precision parts and components in the fields of automotive parts, construction machinery, bridge construction templates, assembled buildings, special transformer transmission towers, coal mining and petrochemical equipment, etc. With green metal processing solutions, we meet the global manufacturing industry's demand for low-carbon and environmentally friendly development, and promote the industry's production efficiency and industrial upgrading.

VERTICAL MACHINING CENTER SERIES



HIGH PRECISION MACHINING SPINDLE



HIGH PRECISION BALL SCREW



ONE-PIECE CASTING



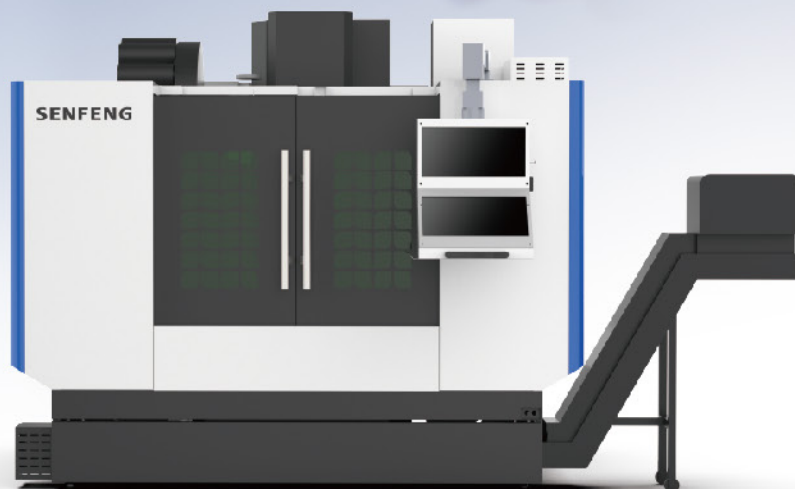
HIGH RIGIDITY LINEAR ROLLER GUIDE RAIL



LONG-TERM STRESS RELIEF



PRECISION HAND SCRAPING PROCESS



Main Specifications and Parameters Table

Item	Detail	Unit	SF-VL855	SF-VL1160	SF-VL1370	SF-VL1580	SF-VL1690
Worktable	Worktable Dimension	mm	1000*550	1200*600	1400*700	1600*800	1600*800
	Maximum Load	kg	500	800	800	1500	1500
	T-Slot Size	mm	5-18-90	5-18-100	5-18-130	7-22-110	7-22-110
Processing Range	3-Axis Travel	mm	800*550*550	1100*600*600	1300*700*750	1500*800*700	1600*900*700
	Distance From Spindle Nose To Table Surface	mm	120-670	120-720	120-870	160-860	150-850
	Distance From Spindle Center To Z-Axis Guideway Surface	mm	590	650	722	855	910
Spindle	Taper Hole (7:24)	/	BT40 φ150	BT40 φ150	BT40 φ150	BT50 φ155	BT50 φ190
	Speed Range	r/min	8000	8000	8000	6000	6000
	Spindle Motor Power	kW	7.5	11	15	15	15
Feed	3-Axis Rapid Speed	m/min	24/24/24	24/24/18	24/24/18	24/24/24	20/20/12
	Feed Speed	mm/min	1-10000	1-10000	1-10000	1-10000	1-10000
Tool Changer	Type	/	Disc	Disc	Disc	Disc	Disc
	Capacity	/	24T	24T	24T	24T	24T
	Tool Change Time	s	2.5	2.5	2.5	2.5	2.5
Positioning Accuracy	X/Y/Z Axis Positioning Accuracy	mm	0.01	0.01	0.01	0.01	0.01
	X/Y/Z Axis Repeated Positioning Accuracy	/	0.005	0.005	0.005	0.005	0.005
Dimension (L×W×H)		mm	2600*2380*2400	3100*2500*2800	3550*2700*2600	4300*3200*2800	4200*3262*3672
Gross Machine Weight Approx.		kg	5500	6500	8000	10000	12000

SLANT BED CNC LATHE SERIES



Main Specifications and Parameters Table

Item		Unit	SF-TCK50	SF-TCK56-500	SF-TCK600S	SF-TCK70-1000
Maximum Rotary Diamete		mm	500	560	600	720
Maximum Cutting Length		mm	500	500	500	1000
Maximum Cutting Diameter		mm	360	350	550	500
Standard Cutting Diameter		mm	240	210	430	380
Maximum Rotary Diameter on The Slide Plate		mm	300	330	380	430
Spindle End Type and Code			A2-6	A2-6	A2-8	A2-8
Spindle Hole Diameter		mm	65	65	80	80
Maximum Bar Diameter		mm	50	50	70	70
Spindle Box	Speed Range	r/min	50~4000	50~4000	50~3000	50-1600
	MaximumOutput Torque	nm	177	177	255	354
	Spindle Speed		CVT	CVT	CVT	CVT
	Main Motor Output	kw	15/11	15/11	18.5/15	18.5
Chuck	Diameter/Type	inch	8"	8"	10"	10"
X-Axis Rapid Speed		m/min	30	30	15	15
Z-Axis Rapid Speed		m/min	30	30	15	15
X-Axis Travel		mm	200	200	300	270
Z-Axis Travel		mm	550	530	550	1020
Tailstock Travel		mm	450	450	450	900
Tailstock Sleeve Travel		mm	100	100	/	/
Tailstock Sleeve Taper		Mohs	5#	5#	5#	5#
Standard Tool Holder Form			Horizontal 8-Station	Horizontal 8-Station	Horizontal 12-Station	Horizontal 12-Station
Tool Size	Cylindrical Cutter	mm	25*25	25*25	32*32	32*32
	Boring Bar Diameter	mm	Φ40	Φ40	Φ50	Φ50
Cutter Be Selected Nearby			Yes	Yes	Yes	Yes
Maximum Load Capacity	Disk Workpiece	kg	200	200	350	350
	Shaft Workpiece	kg	500	500	820	820
Machine Weight		kg	3600	3500	4300	6500
Machine Dimension(L X W X H)		mm	2300*1700*1930	2790*1900*1850	2790*1900*1850	4130*2145*2230

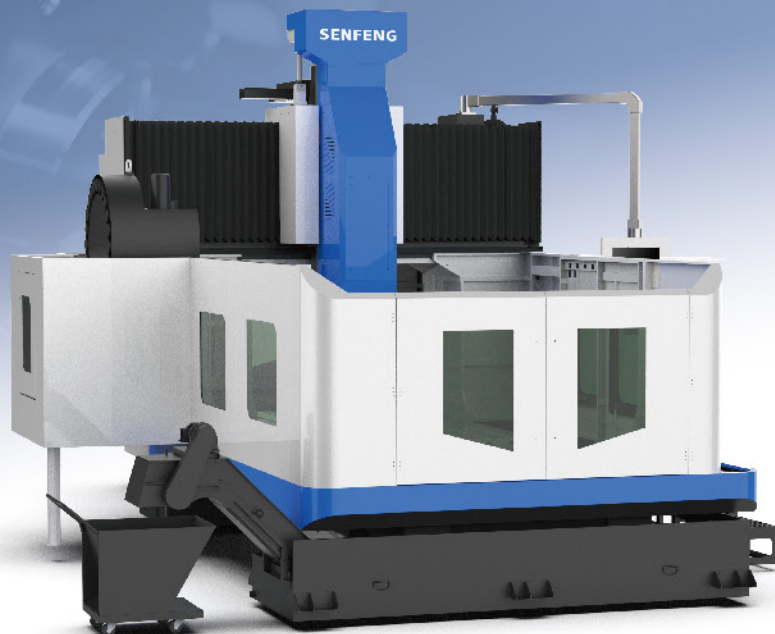
TURN-MILL MACHINING CENTER SERIES



Main Specifications and Parameters Table

Item		SF-TCK56Y	SF-TCK600Y	SF-TCK3100SY
Maximum Swing Diameter on the Bed		560 mm	600 mm	750 mm
Maximum Cutting Length		400 mm	500 mm	1000 mm
Maximum Cutting Diameter		300 mm	430 mm	500 mm
Standard Cutting Diameter		240 mm	340 mm	380 mm
Maximum Swing Diameter on the Saddle		300 mm	400 mm	400 mm
Spindle End Type and Designation		A2-6	A2-6	A2-8 First Spindle/ A2-6 Second Spindle
Spindle Bore Diameter		65 mm	65 mm	85 mm
Maximum Bar Diameter to Pass Through		50 mm	50 mm	75 mm
Spindle Maximum Speed / Maximum Spindle Output Torque		4000 r/min / 176 Nm	50~4000 r/min / 176 Nm	3000 r/min / 283 Nm (First) 4000 r/min / 144 Nm (Second)
Spindle Drive Power		30 kW		
Standard Chuck		8-inch Through-hole Hydraulic Chuck	8-inch through-hole hydraulic chuck	First Spindle: 10" Second Spindle: 8"
X-axis Rapid Traverse Speed		30 m/min	20 m/min	12 m/min
Z-axis Rapid Traverse Speed		30 m/min	20 m/min	16 m/min
Y-axis Rapid Traverse Speed				12 m/min
X-axis Travel		200 mm	280 mm	400 mm
Z-axis Travel		420 mm	550 mm	1050 mm
Y-axis Travel		+30/-30 mm	+50/-50 mm	+100/-100 mm
Standard Tool Post Form		BMT40 Horizontal 12-station Servo Tool Post	BMT55 Horizontal 12-station Y-axis tool turret	Horizontal 12-station Power Turret BMT65
Tailstock Travel		450 mm	550 mm	
Tailstock Spindle Taper		Morse 4#	Morse 4#	Morse 4#
Tool Size	External Round Tool	20*20 mm	25*25 mm	25*25 mm
	Boring Bar Diameter	Φ25 mm	Φ32 mm	Φ40/Φ32/Φ25/Φ20 mm
	Power Tool Seat	BMT40-ER25	BMT55-ER32	
Select Tool Nearby		Yes	Yes	Yes
Machine Tool Gross Weight		3500 kg	4500 kg	8500 kg
Maximum Load Capacity	Disk-type Parts	200 kg	200 kg	200 kg
	Shaft-type Parts	500 kg	500 kg	500 kg
Machine Tool Overall Dimensions (Length × Width × Height)		3824*1890*2250 mm	2988*2085*2439 mm	4200*2380*2633 mm

GANTRY MACHINING CENTER SERIES



Main Specifications and Parameters Table

Item		Unit	SF-DT2220	SF-DT3220	SF-DT4225	SF-DT6237	SF-DT8542	SF-DZ16562
Processing Range	Maximum Travel - X-Axis	mm	2200	3200	4200	6200	8500	16500
	Maximum Travel - Y-Axis	mm	2200	2200	2700	4200	4400	6800
	Maximum Travel - Z-Axis	mm	1000	1000	1000	1500	1500	1500
	Distance From Spindle Nose to Table Surface	mm	200-1200	200-1200	200-1200	300-1800	300-1800	300-1800
	Distance between columns	mm	2000	2000	2500	3700	4200	6200
Spindle	Spindle Speed	rpm	6000	6000	6000	6000	6000	6000
	Taper Hole		BT50	BT50	BT50	BT50	BT50	BT50
	Motor Power	kW	18.5	18.5	18.5	22	22	22
	Ram section	mm	Model T hard rail (OPT400*400)	Model T hard rail (OPT400*400)	Model T hard rail (OPT400*400)	500*500	500*500	500*500
Worktable	Size	mm	1700*2000	1700*3000	2000*4000	3000*6000	3000*8000	5000*16000
	Maximum Load	kg	5000	10000	15000	25000	25000	8000
Speed	Rapid Speed X-Axis	m/min	10	10	10	10	8	6
	Rapid Speed Y-Axis	m/min	10	10	10	10	10	8
	Rapid Speed Z-Axis	m/min	8	8	8	8	6	6
Processing Accuracy	Positioning Accuracy	mm	0.02	0.02	0.025	0.03	0.035	0.063
	Repeat Positioning Accuracy	mm	0.015	0.015	0.02	0.02	0.025	0.035
Others	Power Supply	kVA	80	80	80	100	100	150
	Compressed air source	Mpa	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
	Overall dimensions (L×W×H)	mm	6000*4000*5000	6000*4000*5000	10700*5200*5600	16000*6600*6400	20000*7600*6700	26000*11000*7600

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Note: The pictures and parameters in the album are for reference only, and the actual product shall prevail. Printed in Mar.2025