

Company Profile

SENFENG Laser Technology Co., Ltd., founded in 2004 as a globe-spanning metal forming manufacturer, has devoted itself to laser cutting, welding, bending, cleaning, cladding, flexible automation and new energy for years.

During production, all our machines have went through natural aging, heat treatment, shot blasting, powder coating, finish machining, quality inspection and many other professional treatments to keep them work for a long time.

Oversea Service Center



Domestic Service Center



Jinan Senfeng Laser Technology Co., Ltd.

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

SENFENG

Provide Global Customers
with Metal Forming
Automation Solutions

CNC Milling

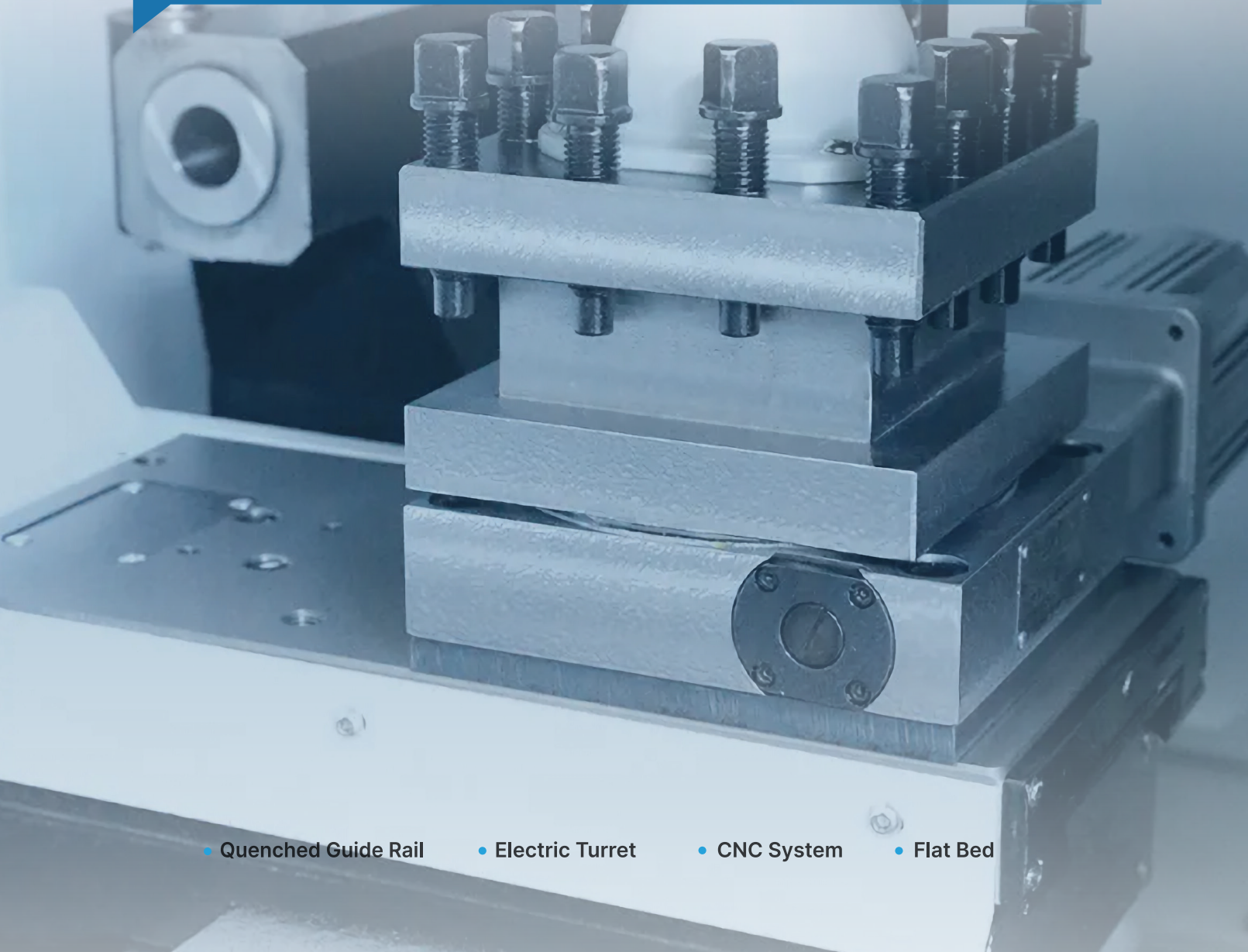
Cutting Bending
Welding Cleaning
Automation New Energy

Flat Bed CNC Lathe SF-CK Series

Swing Over Bed **Φ400-Φ2500 mm**

Distance Between Centers **750-8000 mm**

This CNC lathe is a high-quality, high-precision and high-performance technological-intensive product. It can achieve automatic continuous turning of internal, axial, thread, and conical parts, as well as drilling, reaming, and tapping operations.



- Quenched Guide Rail
- Electric Turret
- CNC System
- Flat Bed



Standard Accessories :

- Control system
- Manual chuck
- Manual tailstock
- Auto lubrication
- Splash guard
- Electric vertical turret
- Coolant system
- Working lamp

Optional Accessories :



The main technical parameters :

	Item	Unit	SF-CK6140	SF-CK6150	SF-CK6180	SF-CK61125	SF-CK61160
Processing Range	Swing over bed	mm	Φ400	Φ500	Φ800	Φ1350	Φ1700
	Swing over cross slide	mm	Φ200	Φ275	Φ480	Φ850	Φ1100
	Distance between centers	mm	750/1000	1000-2000	1000-4000	1500-8000	1500-5000
	Max. Machining diameter	mm	Φ400	Φ500	Φ800	Φ1250	Φ1600
	Bed frame guide rail width	mm	360	400	600	800	1100
	Diameter of the chuck	mm	200 Three-Jaw Manual Chucks	250 Three-Jaw Manual Chucks	Φ630 four-jaw single-action type	Φ1000 four-jaw single-action	Φ1250 four-jaw single-action
Spindle	Spindle type		A2-6	A2-8	A2-11	A2-15	A2-15
	Spindle speed range	r/min	50-2000	60-1600	10-950	10-350	10-315
	Number of speed Change stages		CVT	Manual 3 steps	Manual 3 steps	Manual 4 steps	Manual 4 steps
	Spindle hole diameter	mm	Φ52	Φ82	Φ105	Φ130	Φ130
	Spindle hole taper		MT 5	MT 6	Φ120 1:20	/	/
Feed	X-axis travel	mm	220	250	420	900	1400
	Z-axis travel	mm	750/1000	1000-2000	1000-4000	1500-8000	1500-5000
	X/Z-axis rapid Traverse speed	mm/min	6000/8000	6000/8000	4000/6000	4000/6000	4000/6000
	X/Z-axis ball screws	mm	Φ20/Φ40	Φ25/Φ40	Φ32/Φ63	Φ50/Φ80	Φ50/Φ80
Turret	Tool holder type		Electric Vertical				
	No. Of tools		4	4	4	4	4
	Tool size	mm	20*20	25*25	32/Φ40	40*40	40*40
Tailstock	Tailstock quill diameter/ Travel	mm	Φ65/140	Φ75/100	Φ140/250	Φ160/300	Φ180/300
	Tailstock spindle taper		MT4	MT5	MT6	1:20 Φ80mm	1:20 Φ80mm
	Screw quill movement form		Manual	Manual	Manual	Manual	Manual
	Tailstock movement form		Manual	Manual	Manual	Manual	Manual
Motor	Spindle motor power	kW	5.5	7.5	11	22	55
	X/z-axis motor torque	N.m	5/5	5/7.5	15/15	18/22	18/22

All data subject to change without notice.