

SFLC40 series**CNC Flat Bed Lathe machine**

CNC lathes SFLC40 series are the kind of economical, practical machining lathes, with mature structures of products, stable functions and quality. The lathes are widely used for machining in automobile industry, petroleum industry, and military industry and so on. This series CNC lathes are with complete models and specifications can be used in machining inside and outside, surfaces of axes and discs, taper surfaces arc surfaces, threads, and boring holes, teaming holes, as well as machining noncircular curved surfaces, different control systems such as Fanuc, Siemens and equipment like hydraulic chuck, tailstock etc. are optional according to the requirements of customers.

Features

- Single spindle headstock combined with variable frequency spindle motor can meet the most cutting requirements
- The machine has the flexible configuration, exchange manual chuck to hydraulic chuck, vertical 4 position turret into horizontal 6 position turret etc.
- Variable CNC controller can be selected Fanuc, Siemens, and etc.
- Electrical cabinet is well-designed and simple in structure, door has the two points inter lock for safety operation
- Automatic lubrication system was applicable to keep the guide way with enough and constant lubrication oil
- It is quick and convenient to operate under the mechanical, electrical and hydraulic control over the headstock.

Technical specifications

Item	Unit	SFLC40
Max. swing diameter over bed	mm	∅400
Max swing diameter over slide	mm	∅200
Max cutting diameter over slide	mm	∅200
Max turning length	mm	4-station 850/6-station 750
Diameter of spindle bore	mm	∅53
Form of spindle nose		A6
Main motor power (frequency-change)	kw	7.5
Spindle speed	r/min	200-2400(manual chuck 1600)
Diameter of tailstock sleeve	mm	∅60
Travel of tailstock sleeve	mm	140
Taper bore of tailstock sleeve		Morse 4
Max. travel of X-axis	mm	220
Max. travel of Z-axis	mm	4-station 850/6-station 750
Rapid speed (X/Z-axis)	m/min	6/10
Number of tools in turret		4
Cross section of tool shank	mm	20×20
X/Z-axis repeatability		0.01/0.013
Machining accuracy		IT6-IT7
Steady rest	mm	∅30-∅80 (optional)
Following rest		∅30-∅80 (optional)
Total capacity of power supply	KVA	15
Overall external dimensions of machine	mm	2490×1360×1510
Net/ Gross weight of machine	kg	1990/2290
Packing size (L×W×H)	mm	2770×1660×2200

Standard Accessories

1. Fanuc Oi-mate TD CNC controller
2. Main inverter motor
3. X/Z axis Fanuc servo motor
4. Single spindle structure
5. Step less speed change
6. Manual 3-jaw chuck ϕ 200mm
7. Vertical 4-position automatic turret
8. Manual tailstock
9. Heat exchanger for electrical cabinet
10. Full- enclosed cover
11. Transformer
12. Tool kits
13. Instruction manual book
14. 380v/50hz/3ph
15. Grey and while color

Optional Accessories

1. Siemens 802D
2. Hydraulic hollow chuck 8"
3. Hydraulic tailstock
4. Hydraulic station
5. Horizontal 6 position turret
6. Variable voltage 220v/400/600v, 50Hz or 60Hz can be supplied



SFLC50 series**CNC Flat Bed Lathe machine**

CNC lathes SFLC50 series are the kind of economical, practical machining lathes, with mature structures of products, stable functions and quality. The lathes are widely used for machining in automobile industry, petroleum industry, and military industry and so on. This series CNC lathes are with complete models and specifications can be used in machining inside and outside, surfaces of axes and discs, taper surfaces arc surfaces, threads, and boring holes, teaming holes, as well as machining noncircular curved surfaces. Such lathe has an AC frequency motor with inverter drive to realize auto change among the 3 steps.

Features

1. Gear box in headstock make the machine with high cutting force
2. Automatic change of speed grade among the 3 steps by the CNC control
3. The machine has the flexible configuration, exchange manual chuck to hydraulic chuck, vertical 4 position turret into horizontal 6 position turret etc.
4. Variable CNC controller can be selected FANUC or Siemens
5. Electrical cabinet is well-designed and simple in structure, door has the two points inter lock for safety operation
6. Automatic lubrication system was applicable to keep the guide way with enough and constant lubrication oil

Technical specifications

Item	Unit	SFLC50
Max. swing over bed	mm	500
Width of guide way	mm	400
Max. work piece length	mm	640 890 1390 1900
Max. cutting length	mm	600 850 1350 1860
Max. cutting dia.	With vertical tool-post	500(vertical, 4-station) 360(vertical, 6-station)
Max. swing over slide		
Max. cutting dia.	With horizontal tool-post	400
Max. swing over slide		
Spindle nose	mm	A8
Chuck	Manual	∅250●
	Pneumatic	∅250★
	Hydraulic	∅250★
Inner taper of spindle nose		1:20
Spindle bore diameter	mm	70
Spindle speed	Variable frequency motor	Auto 3 step; step less speed change
Spindle speed range	Variable frequency motor	22-220 71-710 215-2200
Main power	Variable frequency motor	kw
Center height	From bed	mm
	From ground	mm
Tool post rapid speed X/Z axis	m/min	10/5
Time for indexing turret one step/full step	s	2.4(vertical, 4-station) 2.2(vertical 6-station) 1.6(horizontal, 6-station)
Repeatability accuracy of Tool post positioning	"	1.5 (vertical 4 turret); 2 (Horizontal 6 turret)
Stroke of X axis	mm	250
Stroke of Z axis	mm	600 850 1350 1860
Work piece accuracy		IT6-IT7
Surface roughness	μm	Ra1.6
Dia. of tail stock sleeve/stroke of tailstock sleeve	mm	75/150
Bore taper of tailstock sleeve	mm	Morse 5
Mode of tool post	Vertical 4-station	●
	Vertical 6-station	★
	Horizontal 6-station	★
Size of tool shank	OD	mm
	ID	mm
Power of general power supply	kW	15
Max. loading weight (disc type)	kg	600
Max. loading weight (shaft type)	kg	1300 1500 1600 1700
Weight of machine(NW/GW)	640	kg
	890	kg
	1390	kg
	1900	kg
Dimension of case(LXWXH)	640	mm
	890	mm
	1390	mm
	1900	mm

● Standard accessories ★ Optional accessories

Standard accessories

1. Fanuc Oi-mate TD CNC controller
2. Main inverter motor
3. X/Z axis Fanuc servo motor
4. Gear box spindle head
5. Manual 3-jaw chuck ϕ 250mm
6. Vertical 4-position automatic turret
7. Manual tailstock
8. Heat exchanger for electrical cabinet
9. Full-enclosed cover
10. Transformer
11. Tool kits
12. Instruction manual book
13. 380v/50hz/3ph
14. Grey and white color

Optional accessories

1. Siemens 802D CNC controller
2. Hydraulic solid chuck 10"
3. Hydraulic solid chuck 12"
4. Hydraulic hollow chuck 10"
5. Hydraulic hollow chuck 12"
6. Hydraulic tailstock
7. Hydraulic station
8. Horizontal 6 position turret
9. Vertical 6 position turret
10. Steady rest 20mm-120mm roller type
11. Bigger steady rest 140mm-210mm roller type
12. Follow rest 20mm-90mm
13. Manual pulse generator
14. Main 11kw motor
15. Hard jaw 10"
16. Hard jaw 12"
17. CE/UL/CSA electrical components can be supplied
18. Variable voltage 220v/440v/600v, 50Hz or 60Hz can be supplied



SFLC61 series



CNC Flat Bed Lathe machine

CNC lathes SFLC61 series are the kind of economical, practical machining lathes, with mature structures of products, stable functions and quality. The lathes are widely used for machining in automobile industry, petroleum industry, and military industry and so on. This series CNC lathes are with complete models and specifications can be used in machining inside and outside, surfaces of axes and discs, taper surfaces arc surfaces, threads, and boring holes, teaming holes, as well as machining noncircular curved surfaces. Such lathe has an AC frequency motor with inverter drive to realize auto change among the 3 steps.

Features

1. Gear box in headstock make the machine with high cutting force
2. Automatic change of speed grade among the 3 steps by the CNC control
3. The machine has the flexible configuration, exchange manual chuck to hydraulic chuck, vertical 4 position turret into horizontal 6 position turret etc.
4. Variable CNC controller can be selected FANUC or Siemens.
5. Electrical cabinet is well-designed and simple in structure, door has the two points inter lock for safety operation
6. Automatic lubrication system was applicable to keep the guide way with enough and constant lubrication oil

Technical specifications

Item	Unit	SFLC61
Max. swing over bed	mm	610
Width of guide way	mm	400
Max. work piece length	mm	640 890 1390 1900
Max. cutting length	mm	600 850 1350 1860
Max. cutting dia.	mm	610(vertical, 4-station)480(vertical, 6-station)
Max. swing over slide		
Max. cutting dia.	mm	500
Max. swing over slide		
Spindle nose	mm	A8
Chuck	Manual	φ250●
	Pneumatic	φ250★
	Hydraulic	φ250★
Inner taper of spindle nose		1:20
Spindle bore diameter	mm	70
Spindle speed	Variable frequency motor	Auto 3 step; stepless speed change
Spindle speed range	Variable frequency motor	r/min 22-220 71-710 215-2200
Main power	Variable frequency motor	kw 7.5
Center height	From bed	mm 305
	From ground	mm 1185
Tool post rapid speed X/Z axis	m/min	10/5
Time for indexing turret one step/full step	s	2.4(vertical, 4-station) 2.2(vertical 6-station) 1.6(horizontal, 6-station)
Repeatability accuracy of Tool post positioning	"	1.5 (vertical 4 turret);2 (Horizontal 6 turret)
Stroke of X axis	mm	305
Stroke of Z axis	mm	600 850 1350 1860
Work piece accuracy		IT6-IT7
Surface roughness	μm	Ra1.6
Dia. of tail stock sleeve/stroke of tailstock sleeve	mm	75/150
Bore taper of tailstock sleeve	mm	Morse 5
Mode of tool post	Vertical 4-station	●
	Vertical 6-station	★
	Horizontal 6-station	★
Size of tool shank	OD	mm □25×25
	ID	mm φ32, φ25
Power of general power supply	kw	15
Max. loading weight (disc type)	kg	600
Max. loading weight (shaft type)	kg	1300 1500 1600 1700
Weight of machine(NW/GW)	640	kg 2200/4260
	890	kg 2400/4690
	1390	kg 2700/5500
	1900	kg 3000/3600
Dimension of case(LXWXH)	640	mm 3200×2150×2160
	890	mm 3450×2150×2160
	1390	mm 3950×2150×2185
	1900	mm 4450×2150×2185

● Standard accessories ★ Optional accessories

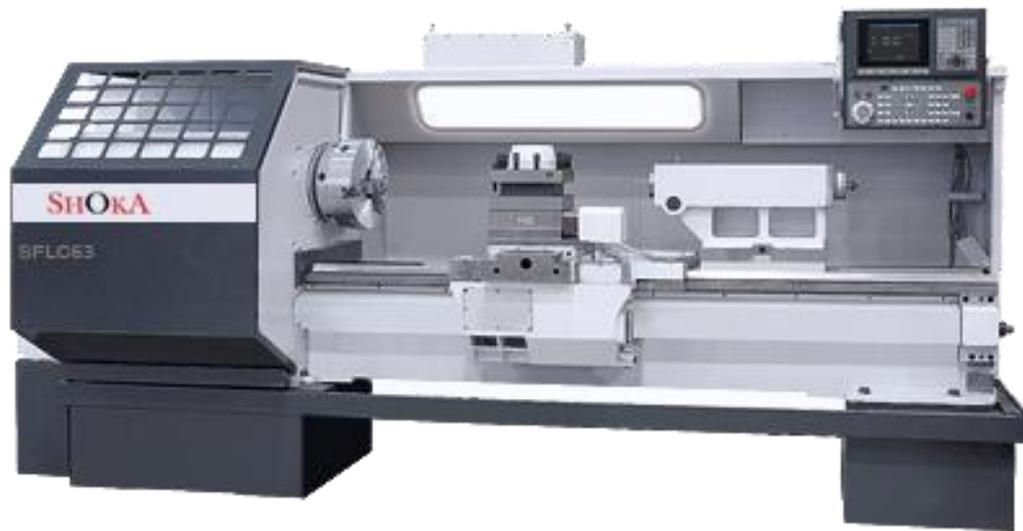
Standard accessories

1. FANUC Oi-mate TD CNC controller
2. Main inverter motor
3. X/Z axis FANUC servo motor
4. Gear box spindle head
5. Manual 3-jaw chuck ϕ 250mm
6. Vertical 4-position automatic turret
7. Manual tailstock
8. Heat exchanger for electrical cabinet
9. Full- enclosed cover
10. Transformer
11. Tool kits
12. Instruction manual book
13. 380v/50hz/3ph
14. Grey and white color

Optional accessories

1. Siemens 802D CNC controller
2. Hydraulic solid chuck 10"
3. Hydraulic solid chuck 12"
4. Hydraulic hollow chuck 10"
5. Hydraulic hollow chuck 12"
6. Hydraulic tailstock
7. Hydraulic station
8. Horizontal 6 position turret
9. Vertical 6 position turret
10. Steady rest 20mm-120mm roller type
11. Bigger steady rest 140mm-210mm roller type
12. Follow rest 20mm-90mm
13. Manual pulse generator
14. Main 11kw motor
15. Hard jaw 10"
16. Hard jaw 12"
17. CE/UL/CSA electrical components can be supplied
18. Variable voltage 220v/400/600v, 50Hz or 60Hz can be supplied



SFLC63 series**CNC Flat Bed Lathe machine**

CNC lathes SFLC63 series integrate proven structure, stable functionality, and reliable quality to make an economical, practical, universal machine; they are widely used in such industries as automotive, petroleum, military. This series have a wide range of applications, and can be used to machine inside or outside surfaces of shaft-type work-pieces and disc type work pieces, curved surfaces, arcs, threads, bores, and reaming holes.

Features

1. Flat-VE hardened guide ways with the undersides of slides coated with TSF anti-friction material for flexible operation and stable and reliable accuracy
2. Gear box in headstock make the machine with high cutting force
3. Automatic change of speed grade among the 4 steps by the CNC control
4. The machine has the flexible configuration, exchange manual chuck to hydraulic chuck, vertical 4 position turret into horizontal 6 position turret or 8 position turret etc.
5. Variable CNC controller can be selected FANUC or Siemens.
6. Electrical cabinet is well-designed and simple in structure, door has the two points inter lock for safety operation
7. Automatic lubrication system was applicable to keep the guide way with enough and constant lubrication oil
8. The feed system used ball screws with high accuracy drives and directly-coupled motors to eliminate error due to backlash of screws, gears or belts.

Technical specifications

Item	Unit	SFLC63
Max. swing over bed	mm	630
Width of guideway	mm	550
Max. work piece length	mm	750/1500/3000
Max. cutting length	mm	600/1350/2850 (vertical 4 position turret)
Max. cutting dia.	mm	630
Max. swing over slide	mm	350
Max. cutting dia.	mm	500(horizontal, 6-station)410(horizontal, 8-station)
Max. swing over slide	mm	350(horizontal, 6-station)310(horizontal, 8-station)
Spindle nose	mm	D11
Chuck	Manual	∅325●
	Hydraulic	∅304★
Inner taper of spindle nose		1:20
Spindle bore diameter	mm	104
Spindle speed	Variable frequency motor	Auto 4 step; stepless speed change
Spindle speed range	Variable frequency motor	r/min 17-128; 38-278;75-570; 170-1000
Main power	Variable frequency motor	kw 11
Center height	From bed	mm 315
	From ground	mm 1110
Tool post rapid speed X/Z axis	m/min	4/8
Time for indexing turret one step/full step	s	3.9(vertical, 4-station) 3.6(vertical, 6-station) 1.7(horizontal, 6-station) 1.6(horizontal, 8-station)
Repeatability accuracy of Tool post positioning	"	1.5 (vertical turret);2 (Horizontal turret)
Stroke of X axis	mm	320
Stroke of Z axis	mm	600 1350 2850
Work piece accuracy		IT6-IT7
Surface roughness	μm	Ra1.6
Dia. of tail stock sleeve/stroke of tailstock sleeve	mm	100/250
Bore taper of tailstock sleeve	mm	Morse 5
Mode of tool post	Vertical 4-station	●
	Vertical 6-station	★(without taistock)
	Horizontal 6-station	★
	Horizontal 8-station	★
Size of tool shank	OD	mm □32×32
	ID	mm ∅32
Power of general power supply	kW	22
Max. loading weight (disc type)	kg	800
Max. loading weight (shaft type)	kg	1500/2000/2500
Weight of machine(NW/GW)	750	kg 3900/4550
	1500	kg 4000/4800
	3000	kg 6000/7100
Dimension of case(LXWXH)	750	mm 3040×2070×2310
	1500	mm 4100×1980×2370
	3000	mm 5340×2080×2430

● Standard accessories ★ Optional accessories

Standard Accessories

1. FANUC Oi-mate TD CNC controller
2. Main inverter motor
3. X/Z axis Fanuc servo motor
4. Gear box spindle head
5. Manual 3-jaw chuck ϕ 250mm
6. Vertical 4-position automatic turret
7. Manual tailstock
8. Heat exchanger for electrical cabinet
9. Full-enclosed cover
10. Transformer
11. Tool kits
12. Instruction manual book
13. 380v/50hz/3ph
14. Grey and while color

Optional Accessories

1. Siemens 802d CNC Controller
2. Solid Hydraulic Chuck 12"
3. Hollow Hydraulic Chuck 12"
4. Solid Hydraulic Chuck 15"
5. Hollow Hydraulic Chuck 15"
6. Hydraulic Tailstock
7. Hydraulic Station
8. Steady Rest 20mm-170mm
9. Steady Rest 80mm-250mm
10. Follow Rest 20mm-110mm
11. Follow Rest 100mm-150mm
12. Horizontal 6-Position Tool Turret
13. Horizontal 8-Position Tool Turret
14. Vertical 6-Position Turret(Without Tailstock)
15. Manual 3-Jaw Chuck 400mm
16. Manual 3-Jaw Chuck 500mm
17. Manual 4-Jaw Chuck 400mm
18. Manual 4-Jaw Chuck 500mm
19. Hard Jaw 12"
20. Hard Jaw 15"
21. CE/UL/CSA electrical components can be supplied
22. Variable voltage 220v/440v/600v, 50Hz or 60Hz can be supplied

SFLC80 series**CNC Flat Bed Lathe machine**

CNC lathes SFLC80 series integrate proven structure, stable functionality, and reliable quality to make an economical, practical, universal machine; they are widely used in such industries as automotive, petroleum, military. This series have a wide range of applications, and can be used to machine inside or outside surfaces of shaft-type work-pieces and disc type work pieces, curved surfaces, arcs, threads, bores, and reaming holes.

Features

1. Flat-VE hardened guideways with the undersides of slides coated with TSF anti-friction material for flexible operation and stable and reliable accuracy
2. Gear box in headstock make the machine with high cutting force
3. Automatic change of speed grade among the 4 steps by the CNC control
4. The machine has the flexible configuration, exchange manual chuck to hydraulic chuck, vertical 4 position turret into horizontal 6 position turret or 8 position turret etc.
5. Variable CNC controller can be selected FANUC or Siemens.
6. Electrical cabinet is well-designed and simple in structure, door has the two points inter lock for safety operation
7. Automatic lubrication system was applicable to keep the guide way with enough and constant lubrication oil
8. The feed system used ball screws with high accuracy drives and directly-coupled motors to eliminate error due to backlash of screws, gears or belts.

Technical specifications

Item	Unit	SFLC80
Max. swing over bed	mm	800
width of guide way	mm	600
Max. work piece length	mm	1500/3000/5000
Max. cutting length	mm	1350/2850/4850 (vertical 4 position turret)
Max. cutting dia.	mm	800
Max. swing over slide	mm	480
Max. cutting dia.	mm	600(horizontal, 6-station)
Max. swing over slide	mm	440(horizontal, 8-station)
Spindle nose	mm	D11
Chuck	Manual	∅325●
	Hydraulic	∅304 or 381★
Inner taper of spindle nose		1:20
Spindle bore diameter	mm	104
Spindle speed	Variable frequency motor	Auto 4 step; step less speed change
Spindle speed range	Variable frequency motor	r/min 17-100; 38-222;76-445; 180-1000
Main power	Variable frequency motor	kw 15
Center height	From bed	mm 400
	From ground	mm 1130
Tool post rapid speed X/Z axis	m/min	4/8
Time for indexing turret one step/full step	s	3.9(vertical, 4-station) 3.6(vertical, 6-station)1.7(horizontal, 6-station) 1.6(horizontal, 8-station)
Repeatability accuracy of Tool post positioning	"	1.5 (vertical turret);2 (Horizontal turret)
Stroke of X axis	mm	420
Stroke of Z axis	mm	1350/2850/4850
Work piece accuracy		IT6-IT7
Surface roughness	μm	Ra1.6
Dia. of tail stock sleeve/stroke of tailstock sleeve	mm	100/250
Bore taper of tailstock sleeve	mm	Morse 5
Mode of tool post	Vertical 4-station	●
	Vertical 6-station	★(without tailstock)
	Horizontal 6-station	★
	Horizontal 8-station	★
Size of tool shank	OD	mm □32×32
	ID	mm ∅32
Power of general power supply	KVA	22
Max. loading weight (disc type)	kg	800
Max. loading weight (shaft type)	kg	2000/3000/3000
Weight of machine(NW/GW)	1500	kg 5500/6500
	3000	kg 6500/7860
	5000	kg 11000/13700
Dimension of case(LXWXH)	1500	mm 3940×2360×2400
	3000	mm 5540×2360×2400
	5000	mm 7910×2320×2450

● Standard accessories ★ Optional accessories

Standard Accessories

1. Fanuc Oi-mate TD CNC controller
2. Main inverter motor
3. X/Z axis Fanuc servo motor
4. Gear box spindle head
5. Manual 3-jaw chuck ϕ 250mm
6. Vertical 4-position automatic turret
7. Manual tailstock
8. Heat exchanger for electrical cabinet
9. Full-enclosed cover
10. Transformer
11. Tool kits
12. Instruction manual book
13. 380v/50hz/3ph
14. Grey and while color

Optional Accessories

1. Siemens 802d CNC Controller
2. Solid Hydraulic Chuck 12"
3. Hollow Hydraulic Chuck 12"
4. Solid Hydraulic Chuck 15"
5. Hollow Hydraulic Chuck 15"
6. Hydraulic Tailstock
7. Hydraulic Station
8. Steady Rest 120mm-350mm
9. Steady Rest 100mm-420mm
10. Follow Rest 20mm-140mm
11. Horizontal 6-Position Tool Turret
12. Vertical 6-Position Turret (Without Tailstock)
13. Manual 3-Jaw Chuck 400mm
14. Manual 3-Jaw Chuck 500mm
15. Manual 4-Jaw Chuck 400mm
16. Manual 4-Jaw Chuck 500mm
17. Hard Jaw 12"
18. Hard Jaw 15"
19. CE/UL/CSA electrical components can be supplied
20. Variable voltage 220v/440v/600v, 50Hz or 60Hz can be supplied

SFLC100 series**CNC Flat Bed Lathe machine**

CNC lathes SFLC100 series integrate proven structure, stable functionality, and reliable quality to make an economical, practical, universal machine; they are widely used in such industries as automotive, petroleum, military. This series have a wide range of applications, and can be used to machine inside or outside surfaces of shaft-type work-pieces and disc type work pieces, curved surfaces, arcs, threads, bores, and reaming holes.

Features

1. Flat-VE hardened guide ways with the undersides of slides coated with TSF anti-friction material for flexible operation and stable and reliable accuracy
2. Gear box in headstock make the machine with high cutting force
3. The machine has the flexible configuration, exchange manual chuck to hydraulic chuck, vertical 4 position turret into horizontal 6 position turret or 8 position turret etc.
4. Variable CNC controller can be selected Fanuc or Siemens.
5. Electrical cabinet is well-designed and simple in structure, door has the two points inter lock for safety operation
6. Automatic lubrication system was applicable to keep the guide way with enough and constant lubrication oil
7. The feed system used ball screws with high accuracy drives and directly-coupled motors to eliminate error due to backlash of screws, gears or belts.

Technical specifications

ITEMS	SFLC100
Max. swing over bed	1000MM
Max. swing over cross slide	610MM
Center distance	1400/1900/2900mm
Spindle hole	130MM
Width of bed	755MM
Diameter of tailstock sleeve	160MM
Longitude	530MM
Transverse	1500/2000/3000mm
Spindle speeds (4 steps)	5-500RPM/6040NM (hydraulic automatic three grade change)
Main motor power	22KW
Longitude	6000MM/MIN
Transverse	5000MM/MIN
Tool numbers on tool-post	4
Longitude	0.05MM(Z-AXIS)
Transverse	0.016MM(X-AXIS)
Longitude	0.02MM
Transverse	0.007MM
Floor space (L x W x H) (3m)	5300×2620×2120MM
CNC SYSTEM	FANUC OI-MATE TD
MAIN MOTOR	INVERTOR MOTOR 22KW
BALL SCREWS	THK or Europe brand
STEADY REST	φ50~φ300mm
Chuck size	8000mm

Standard Accessories

1. Fanuc Oi-mate TD CNC controller
2. Main inverter motor
3. X/Z axis Fanuc servo motor
4. Gear box spindle head
5. Manual 4-jaw chuck800mm
6. Vertical 4-position automatic turret
7. Manual tailstock
8. Heat exchanger for electrical cabinet
9. Full-enclosed cover
10. Transformer
11. Tool kits
12. Instruction manual book
13. 380v/50hz/3ph
14. Grey and while color

Optional Accessories

1. Siemens 802d CNC Controller
2. Solid Hydraulic Chuck 15"
3. Hollow Hydraulic Chuck 15"
4. Hydraulic Tailstock
5. Hydraulic Station
6. Horizontal 6-Position Tool Turret
7. Vertical 6-Position Turret (Without Tailstock)
8. Hard Jaw 15"
9. CE/UL/CSA electrical components can be supplied
10. Variable voltage 220v/440v/600v, 50Hz or 60Hz can be supplied

SFLC series



CNC Flat Bed Lathe machine

CNC lathes SFLC series integrate proven structure, stable functionality, and reliable quality to make an economical, practical, universal machine; they are widely used in such industries as automotive, petroleum, military. This series have a wide range of applications, and can be used to machine inside or outside surfaces of shaft-type work-pieces and disc type work pieces, curved surfaces, arcs, threads, bores, and reaming holes.

Features

1. The machine can be equipped with FANUC. SIGMENS or NC system, high-reliability because of its STO total line structure, CRT Showing, line and circle interpolation.
2. 2 axle close-circle control. AC servo motor. Semi-closed loop control system. High-strength casting bed with high-frequency chilling and precise grinding.
3. Slide way is glued with low-friction plastics.
4. Spindle with frequenting converter and Infinitely variable speed .(optional)
5. Suited for cutting work pieces which have various shapes and sizes.
6. Loading capacity is 5 to12T

Technical specifications

specifications	SFLC128	SFLC148	SFLC168	SFLC198	SFLC208
Max. swing over bed	1280mm	1480mm	1680mm	1980mm	2080mm
Max. swing over cross slide	840mm	1000mm	1240mm	1540mm	1640mm
Center distance	2 -16m				
Spindle hole	130mm				
Width of bed	1100mm				
Diameter of tailstock sleeve	260mm				
Max. distance of moving tool-post					
longitude	600mm				
Transverse	800mm				
Spindle speeds (Number)	4-16,12-48,20-80,50-200rpm				
Main motor power	30kw				
Speed of high-speed movement					
longitude	6000mm/min				
Transverse	3000mm/min				
Tool numbers on tool-post	4 or 6 or 8				
Positioning accuracy					
longitude	0.05mm				
Transverse	0.03mm				
Repeat ability					
longitude	0.025mm				
Transverse	0.012mm				
Repeat ability accuracy of tool-post	0.005mm				
N.W. SFLC168 x 4000mm	22000kg				
all dimension SFLC168/4000mm	7300 x 3000 x 2500mm				

Standard Accessories

1. Fanuc Oi-mate TD CNC controller
2. Main inverter motor
3. X/Z axis Fanuc servo motor
4. Gear box spindle head
5. Manual 4-jaw chuck
6. Vertical 4-position automatic turret
7. Manual tailstock
8. Heat exchanger for electrical cabinet
9. Full-enclosed cover
10. Transformer
11. Tool kits
12. Instruction manual book
13. 380v/50hz/3ph
14. Grey and while color

Optional Accessories

1. Siemens 802d CNC Controller
2. Solid Hydraulic Chuck 12"
3. Hollow Hydraulic Chuck 12"
4. Solid Hydraulic Chuck 15"
5. Hollow Hydraulic Chuck 15"
6. Hydraulic Tailstock
7. Hydraulic Station
8. Different kind of Steady Rest
9. Horizontal 6-Position Turret
10. Different kind of turret
11. Bigger manual 4-Jaw Chuck
12. Hard Jaw 12"
13. Hard Jaw 15"
14. CE/UL/CSA electrical components can be supplied
15. Variable voltage 220v/440v/600v, 50Hz or 60Hz can be supplied

SFLC series**CNC Flat Bed Lathe machine**

CNC lathes SFLC series integrate proven structure, stable functionality, and reliable quality to make an economical, practical, universal machine; they are widely used in such industries as automotive, petroleum, military. This series have a wide range of applications, and can be used to machine inside or outside surfaces of shaft-type work-pieces and disc type work pieces, curved surfaces, arcs, threads, bores, and reaming holes.

Features

- This machine is suitable for machining ferrous-metal, non-ferrous metal or part non-metal components with carbide alloy or porcelain cutter, on the machine, cylindrical turning and boring, tapping, surfacing, curving, slotting, threading as well as drilling can be carried out roughly and finely.
- Main drive is driven by D.C motor through two steps mechanism to reach speeds range for spindle, which is through structure and supported by high-precise double-row short cylindrical rolling bearings with adjustable radial clearance and has best supporting diameter and span because of optimized design so as to improve it is swiveling accuracy and static, dynamic rigid.
- Feed for CNC model is transmitted by A.C servo motor. High- precise ball screw is adopted for transversal movement, high-accurate imported rack with hardened and grinding in longitudinal to make carriage feed and rapid travel. Ball screw is adopted for longitudinal in 5000mm, and by double pinion with allowance eliminating-imported rack for over 5000mm. For universal type, concentrated transmission (by spindle) is adopted to get feed or threading.
- CNC system adopts SIEMENS or FANUC and semi-closed loop control. Other CNC systems can also be selected by customer's requirements.
- According to customer's demands, the followings can be provided that are entire-closed loop control, milling and boring, angle-dividing and feed for main spindle, grinding, cooling device as well as the second carriage and its closed loop control device.

Technical specifications

specifications	SFLC160	SFLC180	SFLC200	SFLC220	SFLC240
Max. swing over bed	1600mm	1800mm	1680mm	2000mm	2200mm
Max. swing over cross slide	1250mm	1450mm	1650mm	1850mm	2050mm
Center distance	3m,4m,5m,6m,8m,10m,12m,16m				
Max. weight of piece between center	32/40T				
Width of bed	1600mm				
Headstock					
Spindle bore	85mm				
Spindle taper	Φ120mm taper1:7				
Range of Spindle speeds	0.86~160r/min manual operated gear 3 infinite speed variation (hydraulic)				
Positioning accuracy	0.05mm				
Repeating accuracy	0.03mm				
Fast travel (longitudinal/cross)	4000mm/min,4000mm/min				
Tool rest carriage					
Tool section	70x70mm				
Max cross travel of carriage	600mm				
Max. travel of middle tool rest	600mm				
Tailstock					
Dia. Of tailstock quill	300mm				
Tapper of tailstock quill	Φ100mm taper 1:7				
Max. travel of tailstock quill	300mm				
Steady rest					
Close- type steady rest	Φ400-750mm				
Open- type steady rest	Φ650-1200mm				
Motor					
Main motor	80kw (DC)				
Fast feeding motor	1.5kw				
Fast feeding motor in tailstock	1.5kw				

Technical specifications

specifications	SFLC160	SFLC180	SFLC200	SFLC220	SFLC240
Max. swing over bed	1600mm	1800mm	2000mm	2200	2200m
Max. swing over cross slide	1250mm	1450mm	1650mm	1850	2050mm
Center distance	3m,4m,5m,6m,8m,10m,12m,16m				
Max. weight of piece between center	63/80T				
Width of bed	2100mm				
Headstock					
Spindle bore	85mm				
Spindle taper	Φ120mm taper1:7				
Range of Spindle speeds	0.625~125r/min manual operated gear 3 infinite speed variation (hydraulic)				
Positioning accuracy	0.05mm				
Repeating accuracy	0.03mm				
Fast travel (longitudinal/cross)	4000mm/min,4000mm/min				
Tool rest carriage					
Tool section	70x70mm				
Max cross travel of carriage	900mm				
Max. travel of middle tool rest	600mm				
Tailstock					
Dia. Of tailstock quill	500mm				
Tapper of tailstock quill	Φ160mm taper 1:7				
Max. travel of tailstock quill	300mm				
Steady rest					
Close- type steady rest	Φ400-750mm				
Open- type steady rest	Φ650-1200mm				
Motor					
Main motor	110kw (DC)				
Fast feeding motor	1.5kw				
Fast feeding motor in tailstock	1.5kw				

Standard Accessories

1. Fanuc Oi-mate TD CNC controller
2. Main inverter motor
3. X/Z axis Fanuc servo motor
4. Gear box spindle head
5. Manual 4-jaw chuck
6. Vertical 4-position automatic turret
7. Manual tailstock
8. Heat exchanger for electrical cabinet
9. Full-enclosed cover
10. Transformer
11. Tool kits
12. Instruction manual book
13. 380v/50hz/3ph
14. Grey and while color

Optional Accessories

1. Siemens 802d CNC Controller
2. Solid Hydraulic Chuck 12"
3. Hollow Hydraulic Chuck 12"
4. Solid Hydraulic Chuck 15"
5. Hollow Hydraulic Chuck 15"
6. Hydraulic Tailstock
7. Hydraulic Station
8. Different kind of Steady Rest
9. Horizontal 6-Position Turret
10. Different kind of turret
11. Bigger manual 4-Jaw Chuck
12. Hard Jaw 12"
13. Hard Jaw 15"
14. CE/UL/CSA electrical components can be supplied
15. Variable voltage 220v/440v/600v, 50Hz or 60Hz can be supplied