

CNC LATHE (Flat-bed type)

Model: FSML-1440NC



1440NC

Model: FSML-1740NC 1760NC 1780NC
FSML-2040NC 2060NC 2080NC



1740NC



2080NC

FEATURES

- FAGOR, FANUC, SIEMENS, SYNTEC, LNC, CENTROID are available.
- CNC and manual operation.
- Dual electronic hand-wheels for manual turning & Teach in mode.
- Integrated PLC.
- Semi-automatic, automatic (cycle) and part program modes.
- Rapid traverse.
- Automatic home searching.
- Gear headstock 3 steps, 30-2000 r.p.m. infinite variable spindle speed.
- To supported spindle using high precision taper roller bearings.
- All geared headstock, main gears are made from Chromium, Nickel, molybdenum alloy steel and are case hardened and "REISHAUER" ground.
- Forced spray lubrication system used for headstock.
- High precision ball-screws.
- Hardened of bed-way & cross ways meet HB 450.
- Auto lubrication unit for all slide-ways surface and ball-screw.



▲ Electrical 4 way toolpost



▲ Hydraulic system Turret



▲ Electrical system Turret



▲ Hydraulic Tailstock

SPINDLE BORE 86 MM

MODEL: FSML- 1740NC / 1760NC / 1780NC
FSML- 2040NC / 2060NC / 2080NC



FSML-2080NC

FEATURES

- FAGOR, FANUC, SIEMENS, SYNTEC, LNC, CENTROID are available.
- CNC and manual operation.
- Dual electronic hand-wheels for manual turning & Teach in mode.
- Integrated PLC.
- Semi-automatic, automatic (cycle) and part program modes.
- Rapid traverse.
- Automatic home searching.
- Gear headstock 3 steps, 10-2000 r.p.m. infinite variable spindle speed.
- To supported spindle using high precision taper roller bearings.
- All geared headstock, main gears are made from Chromium, Nickel, molybdenum alloy steel and are case hardened and "REISHAUER" ground.
- Forced spray lubrication system used for headstock.
- High precision ball-screws.
- Hardened of bed-way & cross ways meet HB 450.
- Auto lubrication unit for all slide-ways surface and ball-screw.



Electrical box.

BRIEF SPECIFICATION

MODEL		FSML-1440NC	FSML-1740NC	FSML-1760NC	FSML-1780NC	FSML-2040NC	FSML-2060NC	FSML-2080NC
NOMINAL SIZE								
Swing over Bed		356 mm 14"	440 mm 17-5/16"			510 mm 20"		
Height of Center		178 mm 6-7/8"	220 mm 8-5/8"			255 mm 10"		
Swing over Cross Slide		172 mm 6-2/3"	235 mm 9-1/4"			305 mm 12"		
Distance Between Centers		950 mm 37 in	1000 mm 40 in	1500 mm 60 in	2000 mm 80 in	1000 mm 40 in	1500 mm 60 in	2000 mm 80 in
Width of Bedways		206 mm 8-1/2 in	330 mm 13 inch					
HEADSTOCK								
Spindle nose mounting		D1-4 CAMLOCK			D1-8 CAMLOCK			
Spindle bore		38 mm 1-1/2"			86 mm 3-3/8"			
Taper of spindle bore		MT#5			MT#7 (Sleeve MT#5)			
Spindle speed	HI	2000 ~ 410 RPM			2000 ~ 240 RPM			
	MID	540 ~ 110 RPM			380 ~ 45 RPM			
	LO	140 ~ 30 RPM			84 ~ 10 RPM			
SLIDE								
Cross slide travel (X axis)		180 mm 7"	280 mm 11"					
Dia. of ballscrew		25 mm	25 mm					
Rapid travel (X axis)		6 m/min	6 m/min					
Servo motor (X axis)		7.3 N/m	7.3 N/m					
Longitudinal travel (Z axis)		840 mm 33-1/2"	870 mm 34-1/4"	1380 mm 54-5/16"	1890 mm 74-3/8"	870 mm 34-1/4"	1380 mm 54-5/16"	1890 mm 74-3/8"
Dia. of ballscrew		32 mm	40 mm					
Rapid travel (Z axis)		8 m/min	8 m/min					
Servo motor (Z axis)		7.3 N/m	9.3 N/m					
TURRET								
Max. cutting tools		20 mm	25 mm					
TAILSTOCK								
Quill diameter		45 mm 1-3/4"	75 mm 3"					
Quill taper		M.T.#3	M.T.#5					
Quill travel		100 mm 4-3/4"	160 mm 6-5/16"					
MOTOR								
Main motor		5 HP 3.5 kw	10 HP 7.5 kw					
Coolant pump		1/8 HP	1/8 HP 25 L/min 0.4 kg/cm ²					
SIZE & WEIGHT								
Machine weight		1200 kgs	1600 kgs	2000 kgs	2300 kgs	2100 kgs	2300 kgs	2600 kgs
Machine size		82" x 50" x 72"	98" x 56" x 74"	118" x 56" x 74"	138" x 66" x 74"	98" x 56" x 74"	118" x 56" x 74"	138" x 66" x 74"
Packing size		90" x 60" x 83"	105" x 73" x 85"	125" x 73" x 85"	145" x 73" x 85"	105" x 73" x 85"	125" x 73" x 85"	145" x 73" x 85"

We reserve the right to modify and improve our products.

Standard Accessories

1. CNC controller.
2. Back plate for chuck.
3. Coolant pump.
4. Automatic lubrication system.
5. Safety guard.
6. Work lamp.
7. Electronic hand wheel X & Z axis.
8. Main motor.
9. Tool box and adjusting tools.
10. Center sleeve.
11. Two deal centers.
12. Optional manual & part list.

Optional Accessories

1. 3-jaw scroll chuck.
2. 4-jaw independent chuck.
3. Electrical 4 way toolpost.
4. Hydraulic 8 position turret.
5. Hydraulic chuck with draw bar.
6. Hydraulic tailstock.
7. Quick change toolpost with 4 pcs toolholders.
8. Steady rest.
9. Follow rest.
10. Face plate.
11. Live center.
12. Drill chuck with arbor.

Due to different model with different equipments.