



SHYE SHENG

CNC LATHE FLATBED

MODEL:

1740NC. 1760NC. 1780NC
2040NC. 2060NC. 2080NC



CNC LATHE [Flat-Bed Type]

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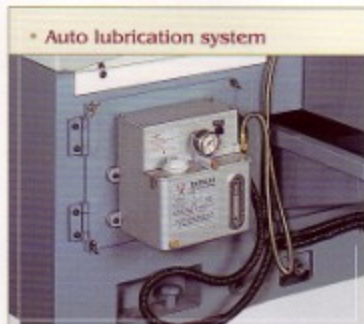
2040NC with Fagor 5055TC

FEATURE

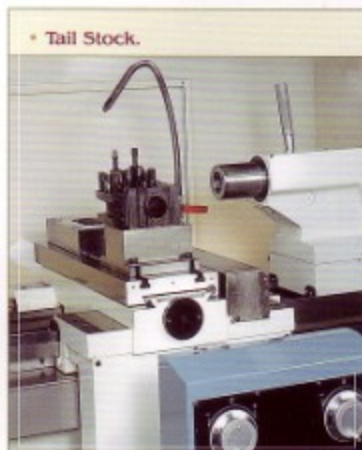
- Centroid T400S or Fagor 8055TC is available.
- CNC and manual operation. Dual electronic hand-wheels for manual turning.
- Teach in mode.
- Integrated PLC.
- Semi-automatic, automatic (cycle) and part program modes.
- Rapid traverse.
- Automatic home searching.
- 3 steps, 10-2000 r.p.m. infinite variable spindle speed.
- 86 mm. 3-3/8inch hole through spindles.
- 3-point supported spindle using 2 precision taper roller bearings and 1 ball bearing.
- 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.
- 10HP (7.4kw) Main spindle motor.



• Electrical hand-wheels & carriage.



• Auto lubrication system

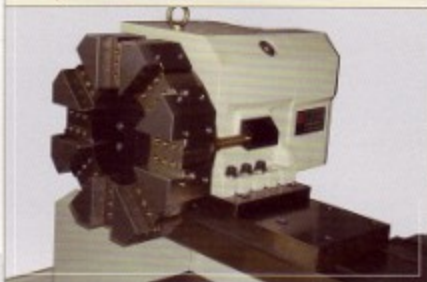


• Tail Stock.

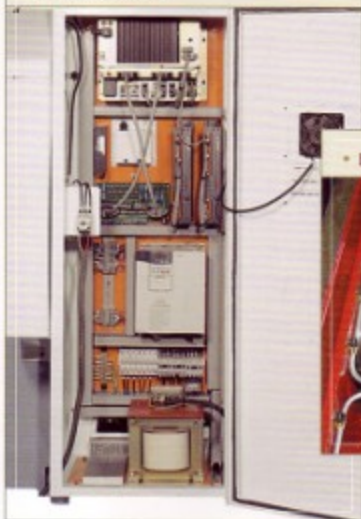
• Electrical turret



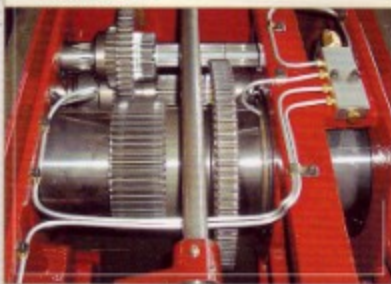
• Hydraulic Turret.



• Electrical Box.



• Head Stock.



• Quick Change Tool Post.



1740NC with Centroid T400S



BRIEF SPECIFICATION FOR CNC LATHE (FLAT-BED TYPE)

MODEL	UNIT	1740NC	1760NC	1780NC	2040NC	2060NC	2080NC
NOMINAL SIZE	mm (inch)						
Swing over Bed	mm (inch)		440 (17-5/16)			510 (20)	
Swing over Cross Slide	mm (inch)		190 (7-1/2)			260 (10-1/4)	
Height of Center	mm (inch)		220 (8-5/8)			255 (10)	
Distance Between Centers	mm (inch)	1000 (40)	1500 (60)	2000 (80)	1000 (40)	1500 (60)	2000 (80)
BED							
Width of Bedways	mm (inch)			330 (13)			
Total Length of Bed	mm (inch)	2000 (78)	2510 (98)	3020 (118)	2000 (78)	2510 (98)	3020 (118)
Swing over Gap	mm (inch)		660 (26)			730 (28-3/4)	
Length of gap	mm (inch)		300 (11-3/4)			300 (11-3/4)	
Width in front of face plate	mm (inch)		190 (7-1/2)			175 (6-3/4)	
SPINDLE							
Spindle nose mounting	-			D1-8 CAMLOCK			
Spindle bore	mm (inch)			86 (3-3/8)			
Taper of spindle bore	-			M.T. # 7 (Sleeve M.T. # 5)			
Range of spindle speeds	-			(High:2000-240 RPM)-(Middle:380-45 RPM)-(Low:84-10 RPM)			
SLIDE							
Cross slide travel(X axis) (Ball screw 25 x 5 mm C5)	mm (inch)			280 (11)			
Rapid travel (X axis)	-			6 M/min.			
X axis Driver motor	-			29 lb/in (Centroid) 7.3Nm AC servo (Fagor)			
Longitudinal travel (Z axis) (Ball screw 40 x10 mm C5)	mm (inch)	920 (36-1/4)	1430 (56-1/4)	1940 (76-3/8)	920 (36-1/4)	1430 (56-1/4)	1940 (76-3/8)
Rapid travel (Z axis)	-			8 M/min.			
Z axis Driver motor	-	29 lb/in (Centroid) 7.3Nm AC servo (Fagor)	40 lb/in (Centroid) 9.3Nm AC servo (Fagor)	29 lb/in (Centroid) 7.3Nm AC servo (Fagor)	40 lb/in (Centroid) 9.3Nm AC servo (Fagor)		
TOOLING							
Max. size cutting tool	-			25 mm (1 in) (for Quick change tool post)			
Hydraulic Turret (optional)	-			8 Tool section (25 mm for square tool; 40 mm Dia. For boring tool)			
Electrical Turret (optional)	-			6 Tool section (20 mm for square tool; 7/8 in. For boring tool)			
TAIL STOCK							
Tailstock quill diameter	-			75 mm (3 in)			
Tailstock quill Taper	-			M.T.# 5			
Tailstock quill travel	-			160 mm (6-5/16 in)			
LUBRICATION							
Pump motor	-			12W. x 2 Ph.			
Discharge volume	-			130 C.C./ min.			
Discharge pressure	-			8 kg/cm ²			
Tank capacity	-			2 liter			
COOLANT							
Pump motor	-			1/8 HP 0.1 kw			
Pump capacity & pressure	-			25 L/min. 0.4 Kg/cm ²			
Tank capacity	-			140 liter			
MOTOR							
Main spindle motor	-			10HP 7.5 kw			
WEIGHT							
Machine weight	kgs	1800	2000	2300	2100	2300	2600

We reserve the right to modify and improve our products.

OPTIONAL ACCESSORIES

- 3-jaw scroll chuck 10 inch (direct mounted)
- 3-jaw scroll chuck 12 inch with back plate
- 4-jaw independent chuck 12" with back plate
- 4-jaw independent chuck 14" with back plate
- 4-jaw independent chuck 16"(direct mounted)
- Face plate 14inch
- Face plate 16inch
- Face plate 20inch
- Steady rest
- Follow Rest
- Quick change toolpost with 4 pcs toolholders (by manual operating)
- Hydraulic system Turret tool 8 section
- Electrical system Turret tool 6 section
- Hydraulic chuck system with foot pedal operation
- Live center MT.#5
- Drill chuck 16mm (5/8") with Arbor

STANDARD ACCESSORIES

- Back plate for chuck
- Coolant pump
- Automatic lubrication system
- Safety guard (Rear splash guard, sliding doors in front)
- Electrical box to suit CNC Turning Control
- Safety Chuck Guard
- Work lamp
- Electrical hand wheel X & Z axis
- Main motor 10Hp 7.4kw
- Mounting block for tool post
- Tool box and adjusting tools
- Center sleeve MT#7 x MT#5
- Two dead centers
- Camlock spindle wrench
- Screw driver
- Spanner (double-ended wrench)
- Hexagonal wrench
- Operational manual



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