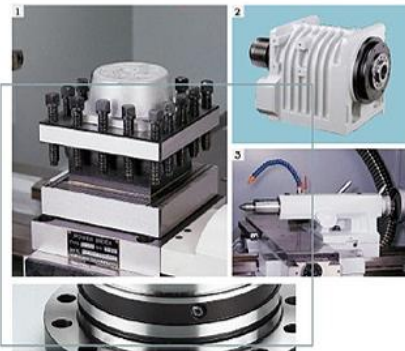




SUN MASTER

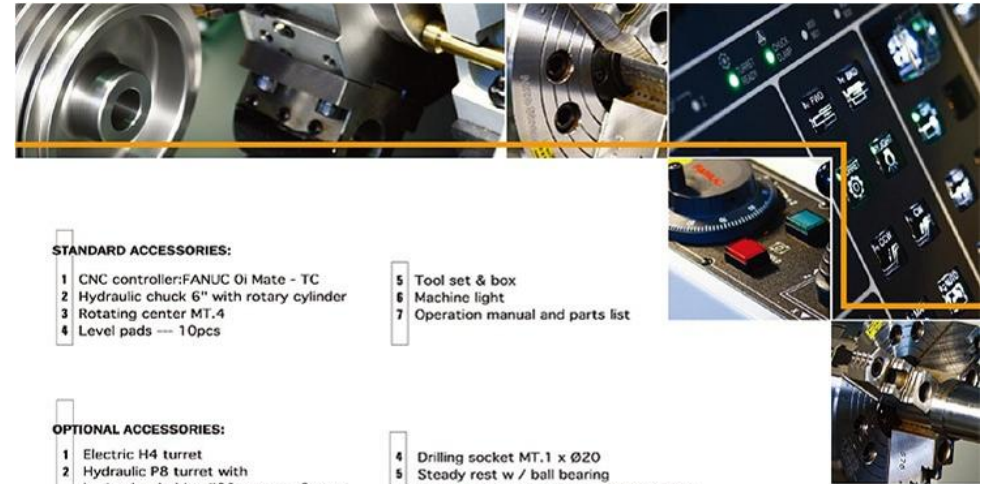
CNC Series CNC-1440/1640/1660



1| Efficient, Accurate Power Turret (Optional) • The electric H4 turret is driven by a worm gear/worm wheel mechanism for convenient tool change. It is powered by a 375 W. motor with great clamping force up to 1 ton. • Specially designed post body prevents coolant and chips getting into post. Body will not move up and down during indexing. • P8 hydraulic turret and quick change tool post are also available upon request.

2| Unique Design Spindle • The spindle is supported by a single cylinder bearing housing equipped with SP level precision angular contact thrust bearings and lubricated with HI-class grease. The front spindle is designed with a labyrinthian collar and protector cover to prevent the entering of coolant or chips. • Encased in a well-ribbed headstock for maximum heat dissipation. Prevents any thermal distortion after long periods of turning thereby ensuring accurate cutting.

3| Tailstock • Rigid construction and increased throat depth on tailstock with MT#4 interior taper quill. When applying manual 4-way tool post, electric H4 turret or hydraulic P8 turret, it allows free cutting of long workpieces. When performing manual drilling, the quill can be set to zero for drill depth measurement. Can be optionally equipped with a hydraulic quill to automatically forward and reverse.



STANDARD ACCESSORIES:

- 1 CNC controller: FANUC Oi Mate - TC
- 2 Hydraulic chuck 6" with rotary cylinder
- 3 Rotating center MT.4
- 4 Level pads --- 10pcs
- 5 Tool set & box
- 6 Machine light
- 7 Operation manual and parts list

OPTIONAL ACCESSORIES:

- 1 Electric H4 turret
- 2 Hydraulic P8 turret with boring bar holder Ø20 mm.....2 sets
- 3 boring bar holder Ø25 mm.....1 set
- 4 O.D / facing tool holder.....4 sets
- 5 I.D / facing tool holder.....1 set
- 6 Boring socket Ø6 x Ø20 - Ø16 x Ø20
- 7 Drilling socket MT.1 x Ø20
- 8 Steady rest w / ball bearing
- 9 High pressure coolant pump 3bar 750W
- 10 Quick change tool post
- 11 Hydraulic tailstock quill
- 12 Chip conveyor & chip bucket cart

MODEL	CNC-1440	CNC-1640	CNC-1660	
Capacity	No. of control axis Swing over bed Distance between centers/Manual tailstock Max. working length Max. working dia. Width of bed	2 AXIS Ø300 mm (14.17") 910 mm (35.82") 700 mm (27.55") Ø170 mm (6.7") Ø160 mm (6.29")	Ø410 mm (16.14") 910 mm (35.82") 700 mm (27.55") Ø220 mm (8.66") Ø210 mm (8.27") 260 mm (10.236")	Ø410 mm (16.14") 1420 mm (55.9") 1210 mm (47.63") 1190 mm (46.85")
Headstock and Main Spindle	Spindle nose, internal taper Spindle bore / Bar capacity Range of spindle speed No. of spindle speed	ASA A2-5 , Ø52mm Taper 1/19.18 Ø46mm (1.811") / Ø36mm (1.417") 40~5000 R.P.M. Infinitely variable		
Cross Slide (X-axis) and Carriage (Z-axis)	X-axis travel Z-axis travel	4 way tool post Hyd. P8 turret 4 way tool post Hyd.P8 turret	205 mm (8.07") 167 mm (6.57") 865 mm (34") 710 mm (27.95")	205 mm (8.07") 178 mm (7") 865 mm (34") 710 mm (27.95") 1220 mm (48.03")
Turret	Tool station Size of external turning tool Boring bar diameter	STD. Manual 4 way tool post □ 20 mm	OPT. Electric H4 □ 20 mm	or Hydraulic P8 □ 20 mm □ Ø20 mm (0.787")
Tailstock	Manual style Taper of center	Quill diameter Quill travel	Ø58 mm (2.283") 140 mm (5.5") MT.No.4	
Motor	Main spindle motor Hydraulic oil pump Coolant pump	STD. 5.5kW / 7.5kW (30min, rated) OPT. 7.5kW / 11kW (30min, rated) STD. 0.75kW (1 HP) OPT. 1.5 kW (2 HP) 1 / 6 HP		
Tank Capacity	Hydraulic tank Coolant tank	40 Liter (8.8 gal) 50 L (11 gal) 70 L (15.4 gal)		
Measurements	Weight (Net / Gross) Approx. Length Packing sizes	2,100 kgs / 2,600 kgs 2,680 mm (105.51") Width 2030 mm (79.92") x Height 2200 mm (86.61")		

Specifications subject to change without notice.