



CNC Super Turning - ST-80B / 100B / 130B / 160B / 200B / 240B / 80C / 100C / 130C / 160C / 200C / 240C / 80D / 100D / 130D / 160D / 200D / 240D



### Super Turning Centers

The JOHN FORD ST series SUPER TURNING centers are exclusively designed to not only meet today's needs, but also future requirements. These turning centers give you the very finest in turning technology. Rugged construction assures optimum rigidity and stability for years of reliable, trouble free operation. Furthermore, these machines offer the turning accuracy and efficiency that are for beyond ordinary.

ITEM \ MODEL	ST-80B	ST-100B	ST-130B	ST-160B	ST-200B	ST-240B	ST-80C	ST-100C	ST-130C	ST-160C	ST-200C	ST-240C	ST-80D	ST-100D	ST-130D	ST-160D	ST-200D	ST-240D
Swing over bed (mm)	920 (36.2")																	
Swing over cross slide (mm)	700 (27.6")																	
Chuck size (mm)	381 (15") (Std.) 450 (17.7") (Opt.)			510 (20.1") (Std.) 610 (24") (Opt.)						510 (20.1") (Std.) 610 (24") (Opt.)								
Bar capacity (mm)	116 (4.6")						139 (5.5")						165 (6.5")					
Spindle nose	A2-11									A2-15								
Spindle bore (mm)	132.5 (5.2")						152 (6")						185 (7.3")					
Spindle speed, step(s)	Auto 4 speeds																	
Spindle speed range (rpm)	2000						1500 (Std.) 1400 (Opt.)						1000					
Spindle motor(kW) (30 min / con.)	22 / 26 (Std.) 30 / 37 (Opt.)			30 / 37 (Std.) 37 / 45 (Opt.)														
Spindle bearing diameter (mm)	180 (7.1")						200 (7.9")						240 (9.4")					
No. of tools	12																	
Cross travel (X-axis) (mm)	370 (14.6")																	
Y-axis travel (Opt.) (mm)	±75 (3")																	
Longitudinal travel (Z-axis) (mm)	2000/2400/3050 (78.7"/94.5"/120.1") 4050/5050/6050 (159.4"/198.8"/238.2")																	
Rapid traverse (m / min)	X: 10 Y: 10 Z: 12																	
Tailstock travel (mm)	1700/2100/2800 (66.9"/82.7"/110.2") 3750/4750/5400 (147.6"/187"/212.6")																	
Tailstock quill travel (mm)	150 (5.9")																	
Tailstock quill diameter (mm)	Ø200 (7.9")																	
Tailstock spindle taper	MT#7																	
Servo motor (X-axis) (kW)	7																	
Servo motor (Y-axis) (Opt.) (kW)	3																	
Servo motor (Z-axis) (kW)	7																	
Bed inclination	60°																	
Weight (kg) (lb)	15000 (33000)	16500 (36300)	20100 (44220)	24100 (53020)	28100 (61820)	32100 (70620)	15300 (33660)	16800 (36960)	20300 (44660)	24200 (53240)	28200 (62040)	32200 (70840)	15500 (34100)	17000 (37400)	20500 (45100)	24500 (53900)	28500 (62700)	32500 (71500)
Machine dimensions (mm)	W x H 2460x2870 (96.9" x 113")																	
	L 6852 / 7252 / 8052 / 9450 / 10450 / 11450 (269.8" / 285.5" / 317" / 372" / 411.4" / 450.8")																	

- All data subject to change without notice.
- All the specifications are listed with the FANUC CNC system and 12-angle turret.

STANDARD ACCESSORIES	OPTIONAL ACCESSORIES

1. Coolant system
2. Splash guard
3. Through hole 3-jaw chuck
4. Programmable hydraulic tailstock
5. Chain type chip conveyor
6. Tool box and various manuals
7. Tool holders (direct mounting type)
8. Auto lubrication with alarm
9. Halogen working lamp
10. Fanuc 0 i-TD controller
11. Manual guide 0i(0ITD);  
Manual guide i(18IT / 21IT)

1. C-axis (C.S axis without gear box/C.F axis with gear box)
2. Touch sensor (manual tool presetter)
3. Tool holders (VDI type)
4. Twin spindle
5. Big bore spindle: Ø236, Ø318, Ø360, Ø410, Ø510 for H, X series
6. Steady rest (manual or auto self-centering)
7. Headstock sheet-metal with dent-area
8. Upper washing ramps