



CNC Super Turning - ST-80BH / 100BH / 130BH / 160BH / 200BH / 240BH / 80CH / 100CH / 130CH / 160CH / 200CH / 240CH / 80DH / 100DH / 130DH / 160DH / 200DH / 240DH



### 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-80BH	ST-100BH	ST-130BH	ST-160BH	ST-200BH	ST-240BH	ST-80CH	ST-100CH	ST-130CH	ST-160CH	ST-200CH	ST-240CH	ST-80DH	ST-100DH	ST-130DH	ST-160DH	ST-200DH	ST-240DH	
Swing over bed (mm)											1000 (39.4")								
Swing over cross slide (mm)											800 (31.5")								
Chuck size (mm)				381 (15") (Std.) 450 (17.7") (Opt.)						510 (20.1") (Std.) 610 (24") (Opt.)						510 mm (20.1") (Std.) 610 mm (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)											420 (16.5")								
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 1700/2100/2800								
Tailstock travel (mm)											(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 (kW)											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)	15100 (33220)	16600 (26520)	20200 (44440)	24200 (53240)	28200 (62040)	32200 (70840)	15400 (33880)	16900 (37180)	20400 (44880)	24400 (53680)	28400 (62480)	32400 (71280)	15600 (34320)	17100 (37620)	20600 (45320)	24600 (54120)	28600 (62920)	32600 (71720)	
Machine dimensions (mm)	W x H																		
	2460 x 2870 (96.9" x 113")																		
Machine dimensions (mm)	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
<ol style="list-style-type: none"> <li>1. Coolant system</li> <li>2. Splash guard</li> <li>3. Through hole 3-jaw chuck</li> <li>4. Programmable hydraulic tailstock</li> <li>5. Chain type chip conveyor</li> <li>6. Tool box and various manuals</li> <li>7. Tool holders (direct mounting type)</li> <li>8. Auto lubrication with alarm</li> <li>9. Halogen working lamp</li> <li>10. Fanuc Oi-TD controller</li> <li>11. Manual guide Oi(OiTD); Manual guide i(18IT / 21IT)</li> </ol>	<ol style="list-style-type: none"> <li>1. C-axis (C.S axis without gear box/C.F axis with gear box)</li> <li>2. Touch sensor (manual tool presetter)</li> <li>3. Tool holders (VDI type)</li> <li>4. Twin spindle</li> <li>5. Big bore spindle: Ø236, Ø318, Ø360, Ø410, Ø510 for H, X series</li> <li>6. Steady rest (manual or auto self-centering)</li> <li>7. Headstock sheet-metal with dent-area</li> <li>8. Upper washing ramps</li> </ol>