

Machine Travels: X x Y x Z in (mm)	31.5 x 23.6 x 15.7 (800x 600 x 400)
Spindle Speed	200 ~ 25,000 RPM
Spindle HP (kW)	20 (15)
Spindle Lubrication	Oil Mist
Tool Changer Size	30 Position Standard(60 Tools Optional)
Positioning Accuracy/Repeatability: in (µm)	±0.000080/±0.000030(±2.0/±0.8)
Table Work Area X x Y: in (mm)	37.4 x 23.6 (950 x 600)
Table to Spindle Nose Distance: in (mm)	7.8 ~ 23.6 (200 ~600)
Max. Workpiece Weight: lb (kg)	1,763 (800)
Coolant Tank Capacity: gal (L)	62.5 (237)
Table Height from Floor: in (mm)	37.4 (950)
Actual Measured Circularity (2.0" dia. @8 IPM): in (µm)	0.000078 (2.0)
Spindle Taper	HSK-E50
Spindle Air Purge	Standard
Air Blast through Spindle	Standard
Oil Mist with Collector	Optional
Linear Scales X, Y, Z – axes	Heidenhain 0.00001mmStandard
Rapid Traverse Speed: in/min. (m/min.)	787 (20)
Cutting Speed (Normal Mode): in/min.(mm/min.)	0.01 – 315 (0.25 ~8000)
Cutting Speed (GR Super PC Mode): in/min. (m/min.)	590 (15)
Dust Collection System	NA
Machine Weight: lb (kg)	17,640 (8000)
Machine Height: in (mm)	129 (3276)
Required Floor Space [Machine Unit]: in (mm)	110.2 x 153.5 (2800 x3900) <i>includes rear clearance</i>
Control Unit	Fanuc 31i-B5 Super High-SpeedProcessor and AI Contour Control II
Power Requirements kVA	208VAC ± 5% 32.5kVA (depends on options)
Air Supply	17.5 CFM @ 72PSI (depends on options)