

Machine:

VMC 6030

X axis travel	63" (1600 mm)
Y axis travel	31.5" (800 mm)
Z axis travel	30" (770 mm)
Max. load (uniform distribution)	4,500 lbs. (2,041 kg.)
Bed width across four ways	55-1/8" (1400 mm)
Length of saddle supporting table	61-1/4" (1556 mm)

Table:

Table size Overall	32" x 67" (815 x 1700 mm)
Table work surface	32" x 67" (815 x 1700 mm)
T-Slots (No./Width/Span)	Five (5) / 0.86" / 6" (22 / 150 mm)
Table center to column min/max	15" / 45" (381 / 1143 mm)
Table top to floor	31.89" (810 mm)

Spindle:

(AC) Digital spindle drive with "Flux vector control" provides maximum torque and accurate speed control for non-mechanical spindle orientation and rigid tapping. Gear head has Hi-Low automatic shifting.	
Motor (peak)	45 hp (33.5 kW)
Motor (30 min rating, 50% ED)	31.5 hp (23.5 kW)
Max-torque at spindle motor (peak)(Gear head)	1175 ft. lbs. (158mm-kg)
Spindle speed (RPM), air purged spindle head; with ABEC class 9 bearings.	60 to 6,000
Maximum clamping force(tool holder)	Up to 2,200 lbs. (1000 kg.)
Ranges	2 (Hi-Low) automatic shifting
Taper	CV # 50 or BT # 50
Spindle to the table (min./max.)	7.9" / 35.5" (218 mm / 900 mm)
Spindle center to column ways	33.5" (762 mm)
Spindle chiller (capacity)	1.32 Gal. (5 L)

Automatic tool changer dual arm:

Tool storage capacity	30 stations
Tool selection	Random/ bi-directional
Max adjacent tool dia	5" (127 mm)
Max dia. W/adjacent pocket empty	10" (254 mm)
Max tool weight	40 lb. (18 kg)
Max tool length	15" (381 mm)

Performance:

Positioning accuracy (full travel)	± 0.00015" (± 0.0038 mm)
Repeatability	± 0.00004" (± 0.0010 mm)
Resolution	0.0001" (0.0025 mm)
Rapid traverse, (X & Y) Standard	600 ipm (15 mpm)
Cutting feed rate	0 - 350 ipm (0 - 8 mpm)
Feed rate override	0 – 150%
Axis thrust (x-y-z) (peak)	7,022 lb. (3,185 kg)
Positioning	(X, Y, and Z) Rotary encoder (Opt. glass scale to X, Y, and Z)
Control	Fanuc Oi-M
Air pressure requirements	80 to 120 psi @ 6 cfm
Coolant capacity	74 gallons (245 liters)
Coolant flow	5 GPM (20 LPM)
Machine height (packing / floor)	106.25" / 130" (2.7 / 3.3 M)
Machine width (packing / floor)	119" / 130" (3 / 3.3 M)
Machine length (packing / floor)	169.25" / 181" (4.3 / 4.6 M)
Working area required	130" x 181" (3300 x 4600 mm)
Shipping weight (shipping / net)	35,274 / 33,069 lbs (16,000 / 15,000 kgs.)
Power	230 VAC, 50 AMP/460 VAC, 25 AMP/ 208 VAC, 55 AMP

*All accuracies are quoted at 68° F