

Machine:
VMC 4824

X axis travel	40" (1,016 mm)
Y axis travel	24" (609 mm)
Z axis travel	23" (584 mm)
Max. load (uniform distribution)	4,500 lbs. (2,041 kg.)

Table:

Table size (X x Y)	48" x 24" (1,219 x 610 mm)
T-SLOTS (No./Width/Span)	Five (5) 13/16" on 3 15/16" (93/100 mm)
Table center to column min/max	18 7/8" / 43 1/8" (480 x 1,095 mm)
Table top to floor	33 1/4" (845 mm)

Spindle Head:

Motor (peak): AC digital spindle drive with "Flux vector control" provides maximum torque and accurate speed control for non-mechanical spindle orientation and rigid tapping.	21.5 hp (16 kW)
Motor (30 min rating, 50% ED)	15 hp (11 kW)
Max-torque at spindle motor (peak) (Opt. Gear head and high torque available)	75 ft. lbs. (10 mm-kg)
Spindle speed (RPM), air purged spindle head; with ABEC class 9 bearings.	60 to 8,000 (10,000 optional)
Maximum clamping force(tool holder)	Up to 2,200 lbs. (1000 kg.)
Ranges	1
Taper	CV # 40 or BT # 40
Spindle to the table (min./max.)	4 3/4" / 27 3/4" (121 mm / 705 mm)
Spindle center to column ways	30 1/2" (775 mm)

Automatic double-arm tool changer:

Tool storage capacity	30
Tool selection	Random/bi directional
Max adjacent tool diameter	3 1/8" (80 mm)
Max dia. W/adjacent pocket empty	4" (101.6 mm)
Max tool weight	25 lb. (11.34 kg)
Max tool length	12" (300 mm)
1 Speed max tool to tool	3 seconds

Performance:

Positioning accuracy (full travel)	± 0.0002" (± 0.0051 mm)
Repeatability	± 0.0001" (± 0.0025 mm)
Resolution	0.0001" (0.0025 mm)
Rapid traverse (X & Y)	500 ipm (13 mpm) [1200 ipm (30 mpm) AC digital drives brushless servos opt.]
Cutting feed rate	0 - 250 ipm (Opt. 0 - 650 ipm) [0 - 6 mpm (Opt. 0 - 16 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	Virtually any control available

General:

Air pressure requirements	100 psi 6 cfm
Coolant capacity	65 gallons (245 liters)
Coolant flow	5 GPM (20 LPM)
Machine height	121" (3,070 mm)
Machine width	114" (2,900 mm)
Machine depth	97" (2,450 mm)
Working area required	187" x 160" (4,750 x 4,060 mm)
Shipping weight	16,358 lbs (7,420 kg)
Power	230 VAC, 50 AMP/460 VAC, 25 AMP/ 208 VAC, 55 AMP

All accuracies are quoted at 68° F