

Machine:
VGC-2418-SE

Machine Sliding Ways (For all 3 Axes X,Y,Z)	Box Ways + Anti-friction material
X axis travel	24" (610 mm)
Y axis travel	18" (460 mm)
Z axis travel	20" (510 mm)
Max. load (uniform distribution)	2,000 lb. (1,000 kg.)

Table:

Table size (X) x (Y)	31.5" x 17.71" (800 x 450 mm)
T-SLOTS (No./Width/Span)	Three .71" on 3.9" (18 x 100 mm)
Table center to column min/max	12" - 30" (305 x 765 mm)
Table top to floor	33 .25" (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.	15 hp (11 kW)*
Motor (30 min rating, 50% ED)	10 hp (5.5/7.5 kW)
Spindle speed (RPM), air purged spindle head	Direct Drive 8,000 (10,000/12,000 optional)
Max-torque at spindle motor (peak)	53 ft. lbs./1500 RPM(7.5 mm-kg/1500 RPM)
Maximum clamping force(tool holder)	Up to 2,200 lbs. (1000 kg.)
Ranges	1
Taper	CT 40/BT 40
Spindle to the table (min./max.)	5" / 25" (125 mm / 635 mm)
Spindle center to column ways	21.06"(535 mm)

Automatic Umbrella Tool Changer: (Opt. Dual Arm Type 24 tools)

Tool storage capacity	16 (Umbrella Type) (Opt. Dual 24 Arm)
Tool selection	Random/bi directional
Max adjacent tool diameter	3.94" (100 mm)
Max dia. W/adjacent pocket empty	5.5" (140 mm)
Max tool weight	13.2 lb. (6 kg)
Max tool length	11.8" (300 mm)
1 Speed max tool to tool	7 seconds

Performance:

Positioning accuracy	± 0.0002"/ft. (± 0.005/300 mm)
Repeatability	± 0.00012"/ft. (± 0.003/300 mm)
Resolution	0.00001" (0.0003 mm)
Rapid traverse (X & Y)	787/787/630 ipm (20/20/16 m/min)
Cutting feed rate	0 - 400 ipm (10 mpm)
Feed rate override	0 - 150%
Axis thrust (x-y-z) (peak)	7,022 lb. (3,185 kg)
Positioning	Optional. glass scale
Control	Fanuc 21MB (Opt. Anilam, Fagor, Dynapath, etc.)

General:

Air pressure requirements	85 psi (6 Kg/cm ²)
Coolant capacity	53 gal. (200 liters) [Opt. 106 gal. (400 liters)]
Coolant flow	21 GPM (80 LPM)
Machine height	90.6" (2,300 mm)
Machine width	108.7" (2,760 mm)
Machine depth	86.6" (2,200 mm)
Working area required	143.5" x 112.9" (3,644 x 2,868 mm)
Machine Net Weight	8,800 lbs. (4,000 kg)
Shipping weight	9,920 lbs. (4,500 kg)
Power	15 KVA Standard machine rating