



KVR Series Vertical Machining Profit Center

Compact / Powerful / Reliable

Why Kent KVR Series?

- Our most popular VMC series
- 10,000 RPM spindle with chiller (Std)
- 15 HP peak servo spindle motor (Std)
- Roller linear ways (On all 3 axis)
- Fanuc CNC control (Std)
- AICC high speed machining
- Chip flush and oil skimmer
- Six linear blocks on Z-Axis
- Spindle chiller
- Chilled spindle motor mount
- 4-Axis capable
- Chip auger
- Proven Kent USA service & support for over 30 years



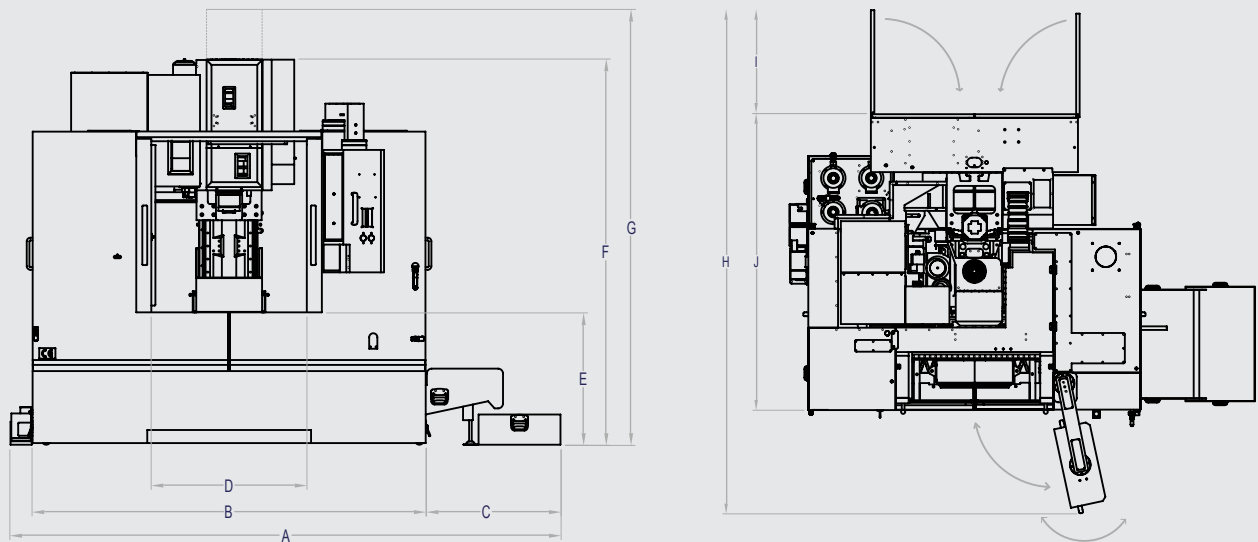
Experience KVR in Action
Schedule a demonstration
with us at your nearest
KENT CNC Distributor

KENTCNC

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www.kentcnc.com

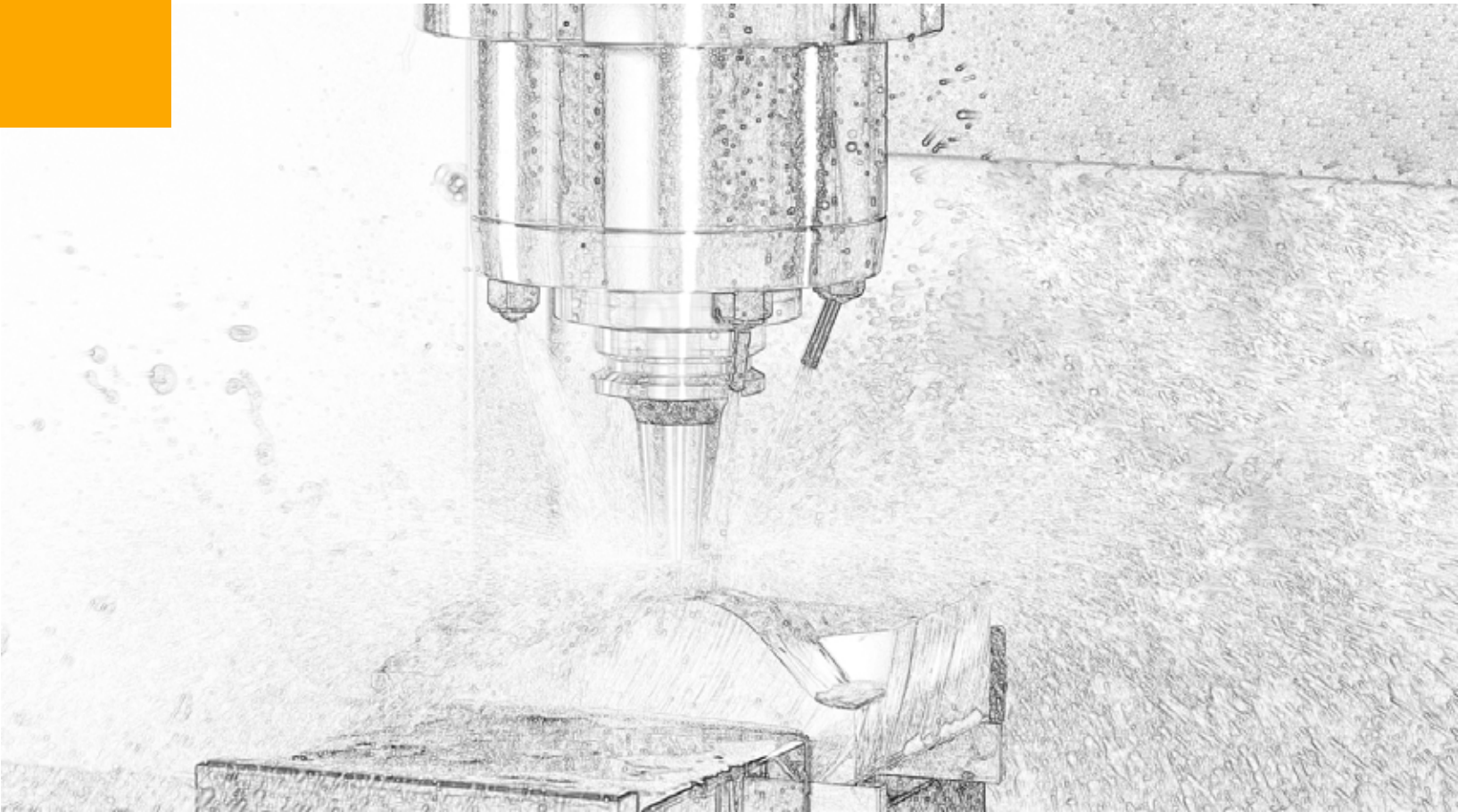
Machine Dimensions



	KVR-2418	KVR-3618	KVR-4020
A	92.6" (2352mm)	132.2" (3357mm)	132.0" (3353mm)
B	77.6" (1970mm)	94.5" (2400mm)	94.5" (2400mm)
C	15.0" (382mm)	32.4" (822mm)	32.2" (818mm)
D	MAX: 37.4" (950mm)	MAX: 37.4" (950mm)	MAX: 37.4" (950mm)
E	31.6" (802mm)	31.8" (808mm)	31.9" (810mm)
F	77.2" (1960 mm)	77.2" (1960 mm)	85.4" (2188 mm)
G	MAX: 96.1" (2440mm)	MAX: 96.1" (2440mm)	MAX: 105.8" (2688mm)
H	114.7" (2912mm)	141.9" (3603mm)	144.5" (3670mm)
I	28.5" (723mm)	28.5" (723mm)	28.5" (725mm)
J	86.2" (2189mm)	84.1" (2135mm)	85.2" (2165mm)

KENTCNC

Compact Vertical
Machining Center
KVR Series



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KVR-4020A with 24-Tool Dual Arm ATC



KVR-2418 with 16-Tool Carousel ATC



KVR-3618A with 24-Tool Dual Arm ATC

Specifications

SPECIFICATIONS		KVR-2418 / KVR-2418A	KVR-3618 / KVR-3618A	KVR-4020 / KVR-4020A
CAPACITY	X Axis Travel	24" (610)	35.43" (900)	39.4" (1000)
	Y Axis Travel	18.1" (460)		20.5" (520)
	Z Axis Travel	18.9" (480)		19.7" (500)
	Spindle Nose to Table	3.9" ~ 22" (100 ~ 580)	4.92" ~ 24.01" (125 ~ 610)	4.7 ~ 24.4" (120 ~ 620)
	Spindle Center to Column	19.7" (500)		
	Table Dimension	30" x 18" (760 x 460)	39.37" x 18.11" (1000 x 460)	43.3" x 20.5" (1100 x 520)
	T-Slot (Width x No x Distance)	0.55" x 4 x 3.94" (14 x 4 x 100)		0.7" x 5 x 3.94" (18 x 5 x 100)
	Table Load	660 lbs (300 kgs)	705 lbs (320 kgs)	1102 lbs (500 kgs)
ATC	Tool Capacity	Carousel: 16 Tool or Dual Arm Type: 24 Tool		
	Max Tool Diameter (Full)	3.94" (100)	3" (76)	3.94" (100)
	Max Tool Weight	13.2 lbs (6 kgs)		
SPINDLE	Spindle Nose	CAT40 (Opt. BT40, Big+)		
	Spindle RPM	10,000 RPM w/ chiller (12,000 RPM or 15,000 RPM)		
AXIS	Rapid Traverse	1417 ipm (36 m/min)		
	Cutting Feed	590 ipm (15 m/min)		
	Guide Ways	Linear (Roller Type)		
MOTOR	Spindle Motor	10/15 HP (7.5 / 11.2 KW)		
	Drive Motor for X, Y, & Z Axis	2.4 x 2.4 x 4 HP (1.8 x 1.8 x 3.0 KW)		
WEIGHT & DIMENSION	Net Weight	7,990 lbs (3,624 kgs)	9,134 lbs (4,143 kgs)	9,652 lbs (4,378 kgs)
	Dimensions (W x D x H)	95.3" x 89" x 94.5" (2240 x 2350 x 2500)	120" x 90" x 94.5" (3048 x 2286 x 2400)	100" x 90" x 98.4" (2200 x 3100 x 2900)
	Floor Space (W x D)	93" x 87" x 96" (2352 x 2198 x 2440)	132.2" x 113.4" x 96.1" (3357 x 2880 x 2440)	132" x 116" x 106" (3353 x 2945 x 2688)
MISC.	CNC Control	Fanuc 0i-M (Opt. Heidenhein, Seimens, Mitsubishi or Fagor)		

Note: We reserve the right to modify the design, specification, mechanism, etc. to improve the performance of the machine without notice.

STANDARD ACCESSORIES

- > Carousel type A.T.C. (16 Tools)
 - > Arm type A.T.C. (24 tools) - A Models
 - > Spindle chiller
 - > Rigid taping
 - > Work light
 - > Dual heat exchanger
 - > Spindle air blast
 - > Embedded ethernet
 - > Leveling bolts/pads
- > Remote jog handwheel (MPG)
 - > 3-color stack light
 - > M30 auto power off
 - > Color monitor
 - > Spiral chip auger
 - > Chip flush

OPTIONAL ACCESSORIES

- > Up to 15,000 RPM spindle
- > Chain type chip conveyor
- > Coolant through spindle
- > 4th axis rotary table
- > Transformer
- > 360° curtain coolant
- > Tool setter
- > Part probing