

KIWA Japan

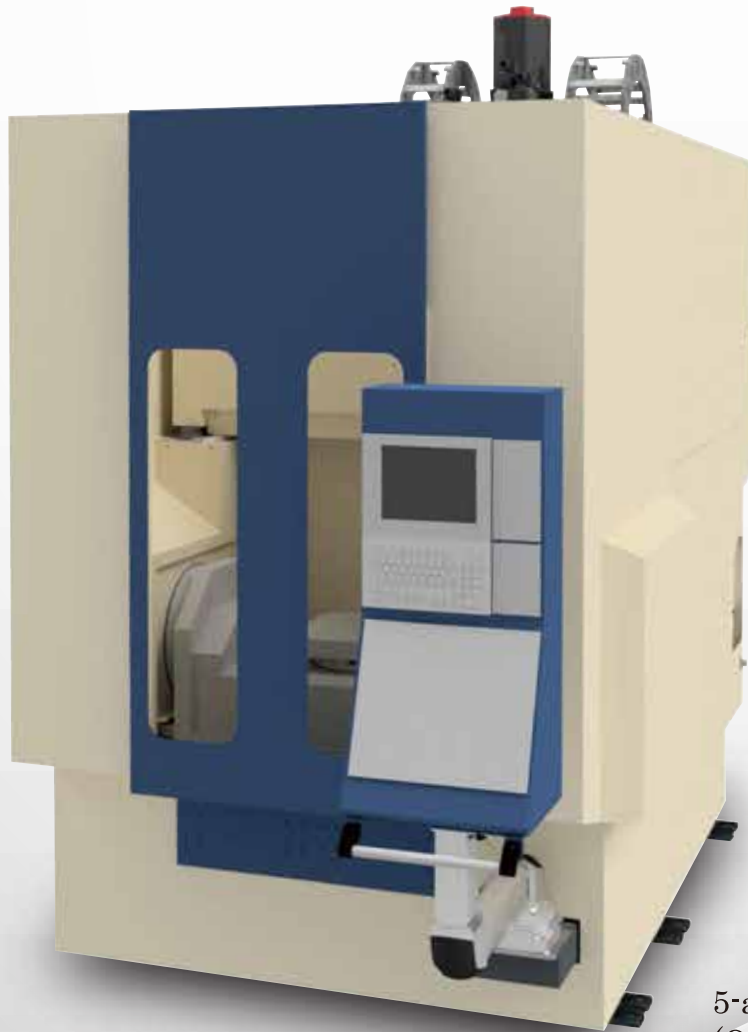
Triple V40

Column Traverse Type Vertical Machining Center



NEW

Space-Saving Design



5-axis Machine
(Option)

KIWA MACHINERY CO., LTD.

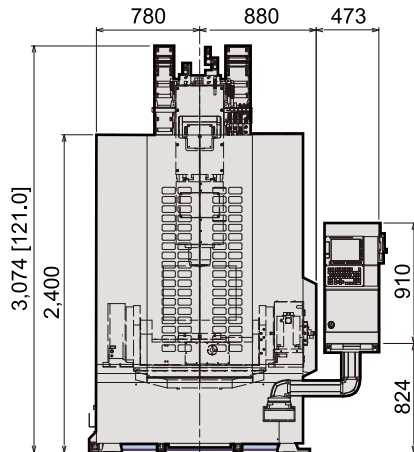
Triple V40 5-axis Machine

● TRAVEL			● FEED		
X, Y, Z axes	mm [inch]	550 x 550 x 410 [21.7 x 21.7 x 1 6.1]	Rapid feed (X/Y/Z)	mm/min. [ipm]	60,000 [2,362.2]
Spindle nose to table top	mm [inch]	100 to 510 [3.9 to 20.1]	Cutting feed	mm/min. [ipm]	30,000 [1,181.1]
Pallet top height (from the floor)	mm [inch]	900 [35.4]	● MOTOR		
● TILTING ROTARY TABLES (Option)			Spindle motor	kW [hp]	22/15 [30/20] (OP. 15/7.5 [20/10] for 12,000 min ⁻¹)
Pallet size	mm [inch]	Dia. 320 [Dia. 12.6]	Feed axes motors (X/Y/Z/A/C)	kW [hp]	3.0/3.0x2/5.5/4.5/4.5 [4.0/4.0x2/7.4/6.0/6.0]
Max. workpiece size	mm [inch]	Dia. 700 x 300 [Dia. 27.6 x 11.8]	Lubrication pump motor	W [hp]	24 [0.032]
Max. load	kg [lbs]	250 [550]	Coolant pumps	W [hp]	600 x 2 [0.8]
Tilting angle	degrees	+30 to -120	Hydraulic pump	kW [hp]	2.8 [3.8]
Tilting speed	min ⁻¹	16.6	● SUPPLY		
Rotating speed	min ⁻¹	33.3	Electric voltage	V	200 to 220 (50/60Hz)
Number of hydraulic/pneumatic ports		8	Electric power supply	KVA	41
Number of coolant port		1	Air pressure	MPa [psi]	0.4 [58]
● AUTOMATIC TOOL CHANGER			Air volume	liters [gal]/min	360 [95]
Type of tool shank		MAS BT40/CAT40	● LUBRICATION		
Type of pull-stud		JIS	Spindle		Grease
Number of tools		20	Ballscrews		Grease (Automatically supplied)
Max. tool diameter	mm [inch]	Dia. 90/180 [Dia. 3.5/7.1]	Roller guides		Grease (Automatically supplied)
(Adjacent pots full/empty)			● TANK		
Max. tool length	mm [inch]	300 [11.8]	Hydraulic unit tank	liters [gal]	18 [4.8]
Max. tool weight	kg [lbs]	8 [17.6]	Coolant tank	liters [gal]	450 [118.9]
Tool selection system		Fixed tool pot	Grease cartridge	liters [gal]	0.7 [0.2]
Chip to chip	sec.	3.2 with min. index / 4.1 with max. index	● SIZE		
● SPINDLE			Floor space	mm [inch]	1,660x3,223 [65.4x126.9] (w/o Coolant tank/Conveyor)
Spindle speed	min ⁻¹	8,000 Direct drive (OP. 12,000 Direct drive)	Machine height	mm [inch]	3,074 [121.0]
Spindle rated torque	Nm	140 (OP. 96 [S3 25%] for 12,000 min ⁻¹)	Machine weight	kg [lbs]	6,500 [14,330]
Spindle taper		ISO 7/24 Taper NT No.40			

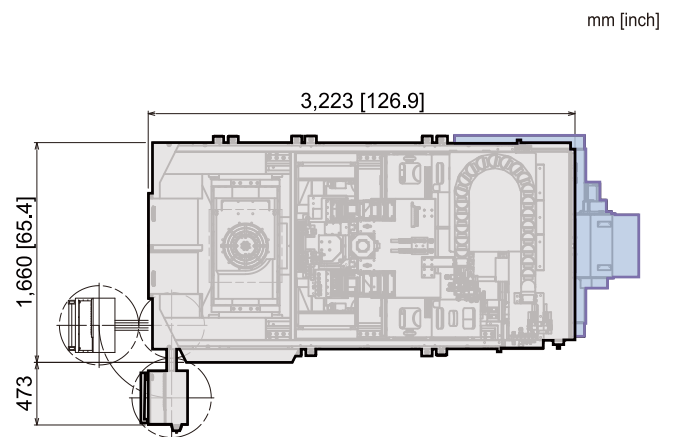
FANUC Oi-MF (Package 1) ● Standard Features □ Options

- Controlled axes: 3 (OP. Max. 5)
- Max. simultaneously controlled axes: 3 (OP. Max. 4)
- Spindle override 50-150% (each 10%)
- Cutting feed override 0-200% (each 10%)
- Rapid traverse override 1,2,4,8,15,25,50,100%
- Rapid traverse bell-shaped acceleration/deceleration
- Manual handle feed 1 unit
- Thread cutting, synchronous cutting
- Workpiece coordinate system
- Addition of workpiece coordinate system 48 sets
- Programmable data input G10
- Custom macro
- Canned cycles for drilling
- Scaling
- Rigid tapping
- Tool offset: 400 pcs
- Tool radius / Tool nose radius compensation
- Stored pitch error compensation
- Part program storage: 512 Kbyte
- Number of registrable programs: 400 pcs
- Background editing
- Run hour and parts count display
- Single direction positioning
- Cylindrical interpolation
- Helical interpolation
- AI advanced preview control (20 look-ahead blocks)
- Optional chamfering / corner R
- Automatic corner override
- Programmable mirror image
- Coordinate system rotation
- Tool offset memory C
- Tool life management
- AI contour control (40 look-ahead blocks)
- AI contour control II (200 look-ahead blocks)
- Optional block skip

MACHINE SIZE (5-axis Machine)



【Front View】



【Top View】

Coolant Tank/Chip Conveyor

Specifications and dimensions are subject to change without notice.

KIWA MACHINERY CO., LTD.

522-51 Harade Kuramochi-cho,
Nabari, MIE 518-0752, JAPAN
TEL : 0595-64-4758 FAX : 0595-64-7529
WEB : <http://www.kiwa-mc.co.jp/en/>
E-mail : overseas@kiwa-mc.co.jp