

KIWA Japan

Triple V22

Column Traverse Type Vertical Machining Center



NEW

**Non-lift type High-speed 2APC Unit
with ϕ 120 Large Hole between Pallets
for Hydraulic / Pneumatic Lines for Fixture**



High Spec. Options

- Spindle speed : 15.000 min^{-1}
- Rapid feed (X/Y/Z) : 75 m/min • Acceleration 1.0G

KIWA MACHINERY CO., LTD.

Triple V22 Standard Features

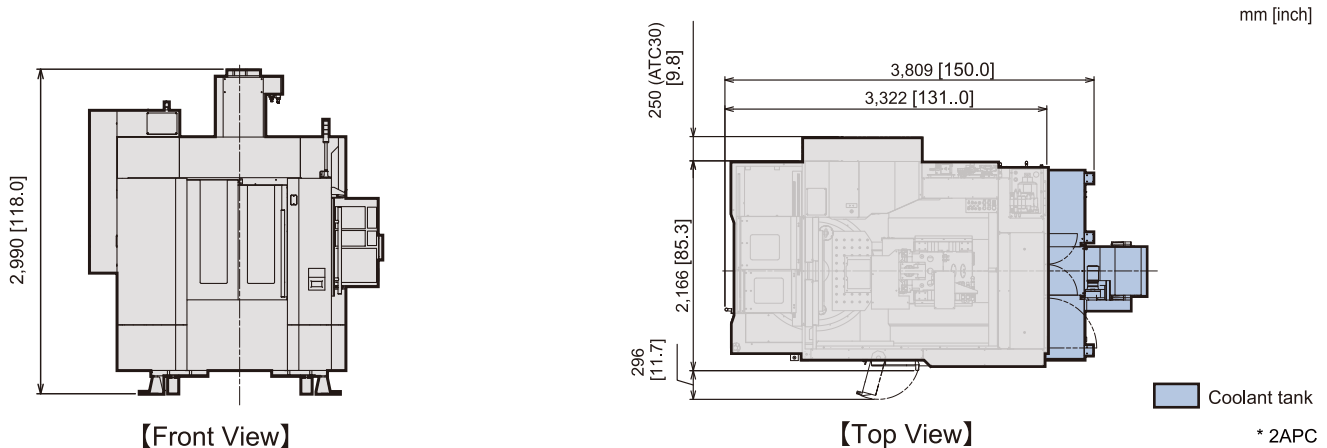
		Single Pallet	2APC			Single Pallet	2APC
● TRAVEL				● APC			
X/Y/Z axis		610/410/510 mm [24.0"/16.1"/20.1"] (OP. 740/410/510 mm [29.1"/16.1"/20.1"])	740/410/510 mm [29.1"/16.1"/20.1"]	Number of pallets		2	
Spindle nose to table top		190 to 700 mm [7.5" to 27.6"]		Pallet change		Rotation	
Spindle center to column		440 mm [17.3"]		APC time		2.5 seconds	
Table top height (from the floor)		885 mm [34.8"]		Table / Pallet size		450x820 [17.7"x32.3"]	
				Max. load		600 kg [1,322 lbs]	
				Work-piece max. height		600 mm [23.6"] (restricted for 2APC)	
● ATC				● MOTOR			
Tool change system		Double arm		Configuration		Three T- slot P=125 mm M16 x P=80 mm	
Type of pull-stud		BT40(BBT40) / CAT40 / SK40 / HSK-A63		Spindle motor (S3 S6 15%/Cont.)		18.5/11 kW [24.8/14.7 hp] (OP. 25 kW / 12,000 min. ⁻¹ , 33 kW / 15,000 min. ⁻¹)	
Type of tool shank		JIS		Feed axes motors (X/Y/Z)		3.0 / 3.0 / 3.0 kW [4.0 / 4.0 / 4.0 hp] (OP. 5.5 / 5.0 / 5.0 kW [7.4 / 6.7 / 6.7 hp])	
Number of tools		24 (OP. 30)		Grease pump motor		24 W [0.03 hp]	
Max. tool diameter	Adjacent pots full	Dia. 90x245 mm [3.5"/9.6"] (OP. Dia. 75x300 mm/30ATC)		Coolant pumps		550 W [0.74 hp] x2	
	Adjacent pots empty	Dia. 150x245 mm [5.9"/9.6"] (OP. Dia. 150x300 mm/30ATC)		Hydraulic unit		2.2 kW [3.0 hp]	
Max. tool weight		8 kg [17.6 lbs]		● SUPPLY			
Average total tool weight		5 kg [11.0 lbs]		Electric voltage (Electric power supply)		AC 200V 50/60 Hz (27 KVA)	
Tool selection system		Random memory		Air supply (Max. required flow)		0.4 MPa [58 psi] (300 L/min. [79.3 gal/min])	
Chip to chip		3.6 sec. (OP. 3.0 sec.)		● TANK			
				Coolant tank		550 L [145 gal]	
● SPINDLE				● SIZE			
Spindle speed		10,000 min. ⁻¹ (OP. 12,000 / 15,000 min. ⁻¹)		Floor space		Machine length	
Spindle rated torque (S3/S6 15%)		118 Nm (OP. 159 Nm / 12,000 min. ⁻¹ , 191 Nm / 15,000 min. ⁻¹)		Machine width		3,341 [131.5"]	
Spindle taper		ISO 7/24 Taper NT No.40		Machine height		2,990 mm [118.0"]	
● FEED				Machine weight		6,200 kg [13,670 lbs]	
Rapid feed (X/Y/Z)		60,000 mm/min. [2,362 ipm] (OP. 75,000 mm/min. and Acceleration 1.0 G)				8,200 kg [18,080 lbs]	
Cutting feed (X/Y/Z)		30,000 mm/min. [1,811 ipm]					

Machine Options ■ Through spindle coolant system (2.0/4.0/7.0 MPa) ■ Spindle jacket cooling unit ■ Ballscrew Cooling ■ Coolant Chiller
 ■ Various rotary tables ■ Tool length measurement ■ Automatic centering device ■ Linear scale ■ Mist collector
 ■ Work light (LED) ■ Program end signal light ■ Outside chip conveyor ■ Automatic power-off ■ Special color

FANUC 0i-MF Plus (Type 1) ● Standard Features

- 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: 2MB
- Number of registrable programs: 1,000 pcs
- Background editing
- Run hour and parts count display
- Single direction positioning
- Cylindrical interpolation
- Helical interpolation
- AI contour control II (200 look-ahead blocks)
- Optional chamfering / corner R
- Automatic corner override
- Programmable mirror image
- Coordinate system rotation
- Tool offset memory C
- Tool life management
- Addition of optional block skip

MACHINE SIZE



Specifications and dimensions are subject to change without notice.

Shipment of this machine requires the Japanese government's approval.

KIWA MACHINERY CO., LTD.

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