

KIWA Japan

Triple V22

Column Traverse Type Vertical Machining Center

- Stroke (X/Y/Z) 610/410/510 mm
- Pallet size 820x410 mm : 2APC
820x450 mm : Single pallet
- Rapid feed (X/Y/Z) 60,000 mm/min⁻¹
- Spindle taper 7/24 Taper NT No. 40
- Spindle speed 10,000 min⁻¹ (Opt. 12,000 min⁻¹)
- Number of tools 24 (Opt. 30)

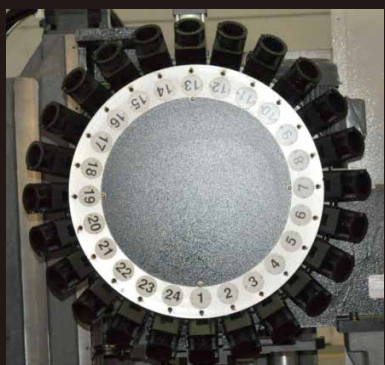
● Spindle

Cutting fluid flows inside the spindle head to minimize its thermal expansion.



ATC

The High-Speed ATC System is essential to minimize non-cutting time.



2APC

APC Time: 6.7 sec.

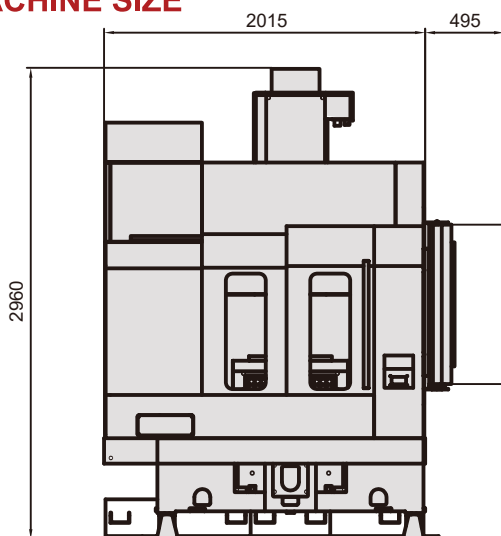


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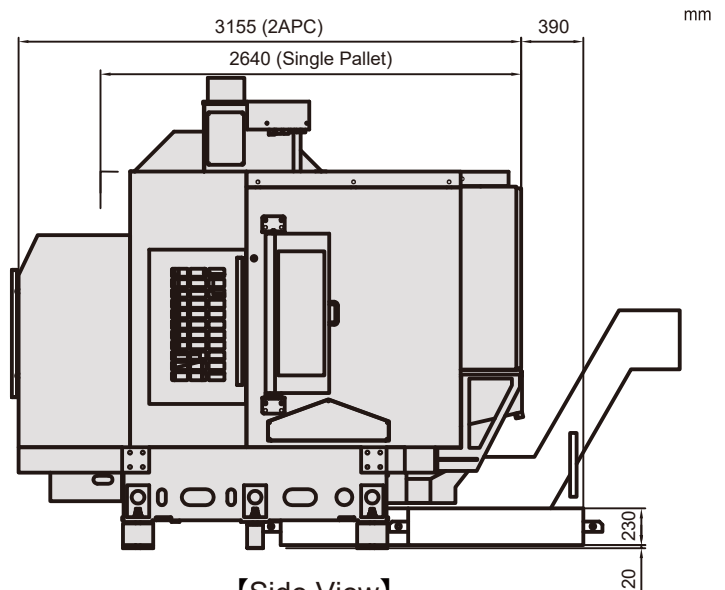
Triple V22 Standard Features

	Triple V22-S		Triple V22-R		Triple V22-S		Triple V22-R
● TRAVEL				● APC			
X/Y/Z axis	610/410/510 mm [24.0"/16.1"/20.1"]			Number of pallets		2 pallets	
Spindle center to column	440 mm [17.3"]			Pallet change system		Rotation	
Spindle nose to table top	150 to 660 mm [5.9" to 26.0"]			APC time		6.7 sec.	
Table top height (from the floor)	970 mm [38.2"]			● SPINDLE			
● TABLE / PALLET				Spindle speed		10,000 min ⁻¹ (Opt.12,000 min ⁻¹)	
Size	820x450 mm [32.3"x17.7"]	820x410 mm [32.3"x16.1"] x 2		Spindle motor		11/7.5 kW [15/10 HP]	
Max. load	600 kgs [1320 lbs]	300 kgs [660 lbs] x2		Spindle max. torque		56 Nm for 10,000 min ⁻¹	
Configuration	Three 18mm T slots w/125mm pitch	45-M16 P80		Spindle taper		ISO 7/24 Taper NT No. 40	
				Lubrication		Grease (packed)	
Max. work piece height	600 mm [23.6"] (restricted for 2APC)			Spindle clamping force		12000 N	
● ATC				● FEED			
Type of tool shank	MAS BT40/CAT40			Rapid feed (X/Y/Z)		60000 mm/min [2360 ipm]	
Number of tools	24 (Opt. 30)			Cutting feed (X/Y/Z)		30000 mm/min [1180 ipm]	
Type of pull-stud	JIS			● SUPPLY / TANK			
Max. tool diameter (Adjacent pots full/empty)	Dia. 90/150 mm [3.5"/5.9"] (for 24ATC) Dia. 75/150 mm [3.0"/5.9"] (for 30ATC)			Electric voltage		AC 200V	
				Electric power supply		30 KVA	
Max. tool length	245 mm [9.6"]			Air pressure		0.4 MPa	
Max. tool weight	8 kgs [17.6 lbs]			Hydraulic unit tank		20 liters	
Tool selection system	Random memory			Coolant tank		420 liters	
Tool to tool / Chip to chip	1.3 / 4.0 sec.			Grease cartridge		0.7 liters	
● MOTOR				● SIZE			
Feed axis motor (X/Y/Z)	3.0/3.0/3.0 kW [4.0/4.0/4.0 HP]			Machine height		2960 mm [116.5"]	
Grease pump motor	24 W [0.032 HP]			Floor space		2015x2640 mm [79.3"x103.9"]	2015x3155 mm [79.3"x124.2"]
Coolant pumps	400 W [0.5 HP] x 1 / 600 W [0.8 HP] x 1						
Hydraulic pump	2.2 kW [3.0 HP]			Machine weight		6200 kgs [13670 lbs]	8200 kgs [18080 lbs]

MACHINE SIZE



【Front View】



【Side View】

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

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