

# Kaizen



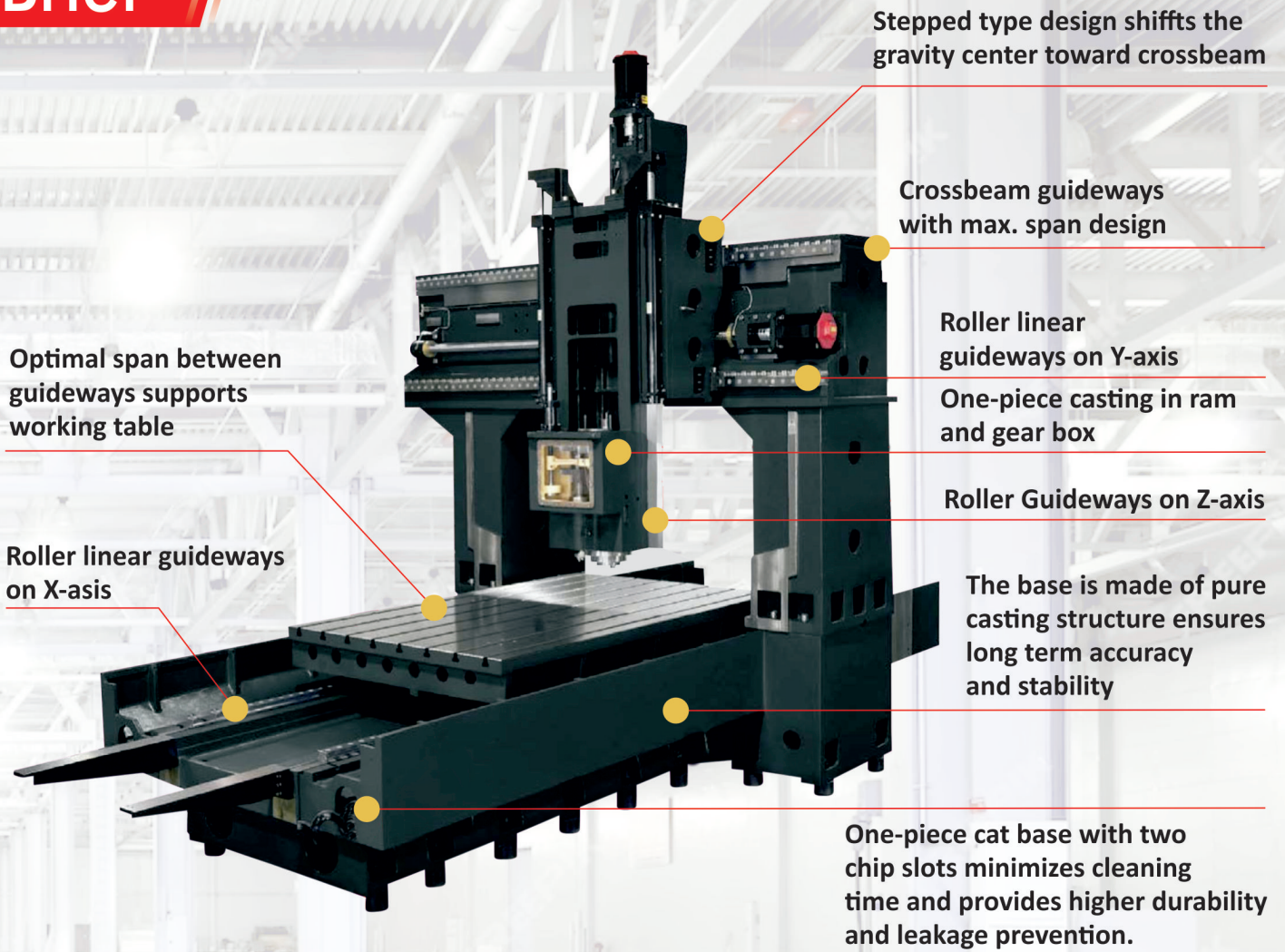
## DOUBLE COLUMN VERTICAL MACHINING CENTER

“Instead of focusing  
on the competition,  
focus on the **CUSTOMER**”

[www.kaizenmachines.co.in](http://www.kaizenmachines.co.in)

ENGINEERING | EXCELLENCE | LEADERSHIP | EXPERTISE | RELIABILITY

# Brief



## KEY HIGHLIGHTS



Cartridge type Spindle



Chip Conveyor



Arm Type Tool Changer

## APPLICATION



Dies & Moulds



Engineering Components

MODEL		UNIT	DVM 1612	DVM 1813	DVM 2013	DVM 2016	DVM 2518	DVM 3020
Capacity	Travel (X/YZ)	mm	1600X1200X800	1700X1300X800	2000X1300X800	2000X1600X800	2500X1800X1000	3000X2000X1000
	Distance Between SpindleNose Table Top	mm	130-930	130-930	200-100	200-1000	150-1150	200-1200
	Column Distance	mm	1200	1400	1400	1600	2000	2200
Work Table	Table Size	mm	1700X1000	1800X1200	2100X1200	2100X1200	2700X1600	3200X1800
	T-Slot Dimensions	mm	518X125	5-18X125	5-18X125	5-18X125	5-18X125	9-22X180
	Max Load Tale		2500	3000	5000	5500	6000	8000
Spinnle	Taper		Bt40 (BT50 opt.)	Bt40 (BT50 opt.)	Bt40 (BT50 opt.)	Bt40 (BT50 opt.)	BT-40(BT-50PT)	BT 50
	Speed	Rpm	8000 (6000)	8000 (6000)	8000 (6000)	8000 (6000)	8000 (6000)	6000
	Motor Power		15 (18 opt.)	15 (18 opt.)	15 (18 opt.)	15 (18 opt.)	18 (22 opt.)	22
Rapid	Traverse (X/Y/Z)		20	20	20	20	15	15
	Pocket	Nos.	24	24	24	24	24	24
	Length	mm	250 (300)	250 (300)	250 (300)	250 (300)	250 (300)	300
	Diameter (Max.)		80 (125)	80 (125)	80 (125)	80 (125)	80 (125)	125
	Weight		8 (15)	8 (15)	8 (15)	8 (15)	8 (15)	15
	T-T Change Time	Sec.	2.4 (3.4)	2.4 (3.4)	2.4 (3.4)	2.4 (3.4)	3.5 (4.5)	3.4
Feed	Max. Cutting Feed Rate	mm/min	1-10000	1-10000	1-10000	1-10000	1-10000	1-10000
Accuracy	Positioning	mm	0.02	0.02	0.02	0.02	0.03	0.03
	Repeatability	mm	0.015/300	0.015/300	0.015/300	0.015/300	0.18/300	0.018/300
Input	Air Pressure	bar	6-8	6-8	6-8	6-8	6-8	6-8
	Power	Kva	40 (50)	40 (50)	40 (50)	40 (50)	50 (60)	60
	Tank Capacity	L	360	360	360	400	400	360
Machine	Weight	kg	13	15	16	22	25	30.5
	Dimensions	mm	5000X4000X4000	5500X4300X4000	7000X4000X4000	7000X4500X4000	7800X6000X5400	8500X5000X4200
CNC		Bar	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi

Technical specifications and design characteristics are subject to change without prior notice

## Standard Accessories

- Roller LM Guides
- Meehanite Cast Iron Structure
- Rigid Tapping
- Machine Illumintion Lamp
- Telescopic Covers on X,Y,Z Axis
- Centralized Oil Lubrication for LM and Ball Screw
- Complete MACHINE Guarding with Sliding Door
- Air Gun, Coolant Gun
- 1 Set of Machine Manual and 1 Set of CNC Control
- Preloaded Precision Ball Screws of C3 class for all 3 Axis
- Air Conditioner for Control Cabinet

## Optional Accessories

- 10000 RPM (BT 40 Taper)
- Chiller for Spindle
- Chip Auger and Conveyor
- 4th / 5th Axis Rotary Table
- 24 Tools Arm Type Tool Changer
- Servo Stabilizer and Step down Transformer
- Fanuc CNC System
- Heavy Duty Gear Box

## Product Range

- Vertical Machining Center
- Flat Bed CNC Lathe
- Hydraulic Surface Grinder
- EDM & Wire Cut
- Hydraulic Cylindrical Grinder
- Injection Moulding machine
- Lathe Machine
- Manual Milling Machine

## Our Presence

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