

Specification

Model	Unit	DBM-3030	DBM-4030	DBM-5030	DBM-6030	DBM-8030	DBM-10030	DBM-6040
X-Axis	mm	3,000	4,000	5,000	6,000	8,000	10,000	6,000
Y-Axis	mm	2,000-3,000						4,000
Z-Axis	mm	1,000						
Spindle Nose to Work Table	mm	200 ~ 1,200						
Bridge Width (Include Slash Cover)	mm	2,300-3,300						4,800(4,500)
Work Table Length	mm	3,000	4,000	5,000	6,000	8,000	10,000	6,000
Work Table Width	mm	2,800						3,800
Work Table Max Load	Kg/m ²	2,500						
Spindle Motor (Cont./30 min)	Kw (Hp)	22 / 26 (30 / 35)						
Spindle Speed	rpm	10~12,000						
Spindle Taper		BT40/HSK-63A						
Tool Changer	No.	32						32 (60 Option)
Tool Max. Diameter	mm	127 / 215						
Model	Unit	DBM-8040	DBM-10040	DBM-6050	DBM--8050	DBM-10050	DBM-14050	
X-Axis	mm	8,000	10,000	6,000	8,000	10,000	14,000	
Y-Axis	mm	4,000	5,000					
Z-Axis	mm	1,000						
Spindle Nose to Work Table	mm	200 ~ 1,200						
Bridge Width (Include Slash Cover)	mm	4,800(4,500)			5,800 (5,500)			
Work Table Length	mm	8,000	10,000	6,000	8,000	10,000	14,000	
Work Table Width	mm	3,800			4,800			
Work Table Max Load	Kg/m ²	2,500						
Spindle Motor (Cont./30 min)	Kw(Hp)	22 / 26 (30 / 35)						
Spindle Speed	rpm	10 ~ 12,000						
Spindle Taper		BT40/HSK-63A						
Tool Changer	No.	32 (60 option)						
Tool Max. Diameter	mm	127 / 215						



CNC High Speed Gantry Type
Double Column Machining Center

Options

Spindle Upgrades

Spindle	Electronic Spindle
6000 rpm	12000 rpm
8000 rpm	15000 rpm
10000 rpm	18000 rpm
	20000 rpm

Other Upgrades

Linear Scale	Thermal Control System
Spindle CTS	
Automatic Doors	
GearBox Type Spindle	
5-Axis Milling Head	

DBM-Series



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DBM SERIES

Since 1989, Takam machine tools have been providing solutions to every industrial needs. With larger and faster moving machines that currently are in high demand. Takam once again provides a solution to the problem. Introducing the DBM-Series this machine was created for the high speed machining requirements and needs that many top leading companies look for in a machine. With high spindles reaching from ranges 10000 to 30000 RPM and with Rapid travel reaching 30 meter a minute, this machine is perfected.

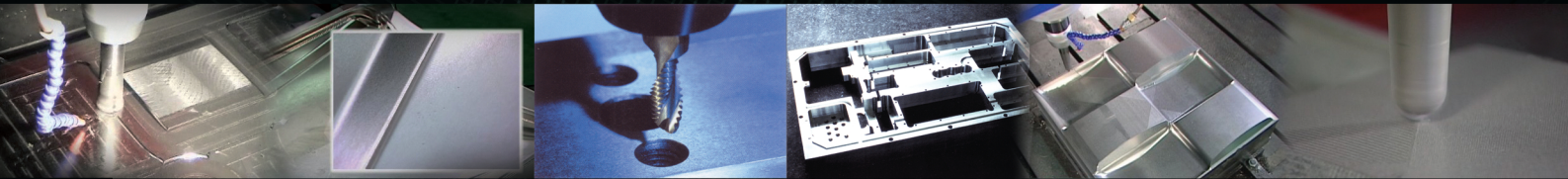
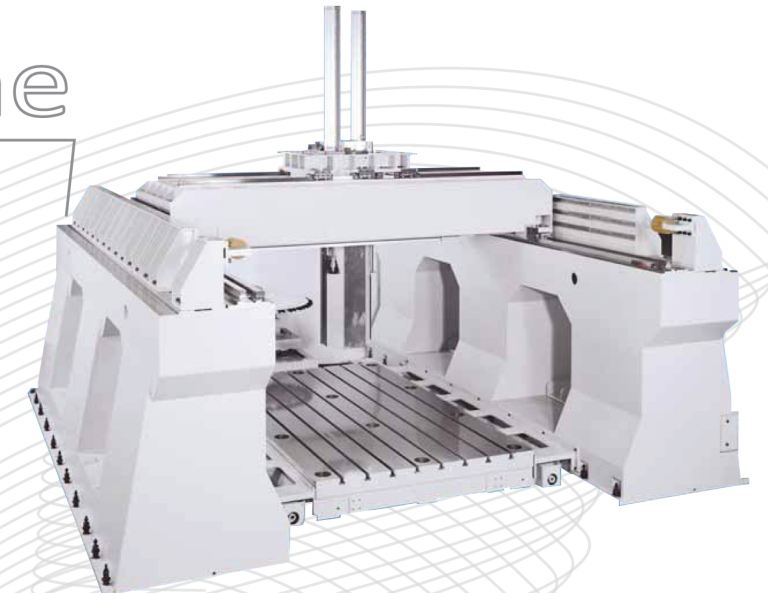
DBM-T Frame

- **High Strength Z & Y Construction**

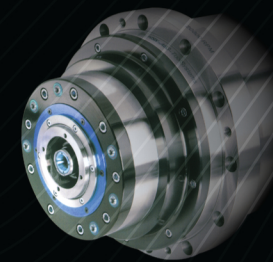
Y-axes was designed with two linear guide ways and one box way to create a triple strength construction, which gives the machine high accuracy, and proved a stabile surface for high speed travel.

- **High Accuracy Heavy Duty Ball screw**

The DBM-Series high speed gantry type double column machining center was designed with heavy duty ball screw ranging from 50 mm to 80 mm in diameter.

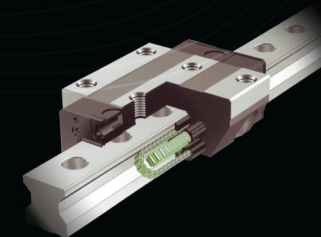


- **High Speed Spindle**



The Takam DBM-Series high speed gantry type double column machining center can be equipped with a high speed reaching 30000 RPM that has a power peak from 22 to 47kw high frequency driver. The DBM-Series is capable of producing 400+ N.m. peak torque.

- **Linear Guide way**



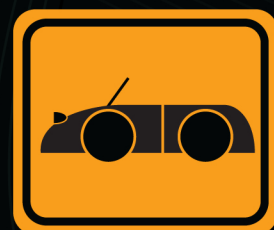
- High Load Capacity
- High Accuracy
- High Speed Travel Capability

- **NC Controller System**



At Monarch, we have designed our machines to be capable with many different type of NC controller system. We understand the problem that our customers face when trying to learn a new system. Therefore, we proved the following systems that will meet our customers' needs.

- Heidenhain
- Fanuc
- Mitsubishi



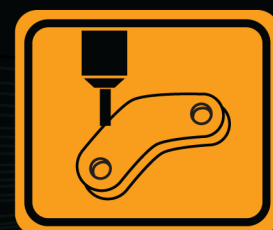
AUTOMOTIVE



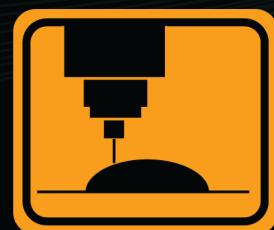
AEROSPACE

DBM

THINK OF THE POSSIBILITY



PARTS MACHINING



MOLD MACHINING