

# **Gantry-Type Boring & Milling Machine**

## **Model: GBM30160**



(Photo for reference)

**GBM30160 Gantry-Type Boring & Milling Machine specifications**

Item	GBM30160
<b>Table parameter</b>	
Table size (WxL)	3000x16000mm
Table loading	20000kg
Column span (Max. width of workpiece)	4200mm
Spindle nose to table surface (Min.—Max.)	900-2400mm
T-slot	28mm
<b>Spindle</b>	
Spindle rpm	20-3000r/min
Main motor	31kW
Max. torque	1920Nm
Spindle axial resistance	10000N
Spindle taper	ISO 50
Shank	BT50
Pull stud	P50T-I
RAM section size	450x450mm
<b>Travels</b>	
Table Max. travel (X)	16500mm+(head change travel 500mm)
RAM carriage travel (Y)	4500mm
RAM travel (Z)	1500mm
<b>Feed rate range</b>	
Cutting feed speed X, Y, Z	1-5000mm/min
Rapid X, Y	10000mm/min
Rapid Z	8000mm/min
<b>Accuracy</b>	
Positioning accuracy X, Y, Z	0.020mm/1000
Repeatability accuracy X, Y, Z	0.015mm
<b>Others</b>	
Machine total power	Approx. 140kVA
Machine gross weight	Approx. 112000kg
Machine size (LxWxH)	Approx.23000x9350x8100mm

**GBM30160 Gantry-Type Boring & Milling Machine Equipments**

Item 01	Descriptions	
01.01	Siemens one	
01.02	Spindle bearing NSK	
01.03	X racks from TAIWAN	
01.04	Y/Z ball screw from THK	
01.05	Oil cooler	
01.06	Chip conveyor and coolant tank	
01.07	External coolant	
01.08	Auto head clamp	
01.09	Heidenhain grating scales	
01.10	Reducer from TAIWAN	
01.11	X cover-steel	
01.12	Y cover-accordion style	
01.13	Pneumatic system SMC	
01.14	Centralized lubrication station	

**GBM30160 Gantry-Type Boring & Milling Machine Optional**

Item 02	Descriptions	Note
02.01	40 tools ATC	
02.02	Coolant through spindle	20bar
02.03	Auto universal milling head	CX50C-1
02.04	Renishaw RMP 60	
02.05	Renishaw NC4S	