

## Portable Gantry Milling Machine

The portable linear milling machine is a high-precision, lightweight on-site machining solution designed for field processing and large workpiece repair. Featuring a compact, movable structure and linear guide transmission, it delivers stable feeding accuracy and excellent milling performance without transporting oversized workpieces to fixed workshops.

It supports plane milling, groove cutting, surface finishing and other multi-functional machining tasks, adaptable to steel structures, equipment bases, flange faces and engineering machinery maintenance. With simple installation, easy operation and strong environmental adaptability, it saves setup time and processing costs.

Built with durable mechanical components, it ensures long-term stable operation, making it an ideal efficient and cost-effective choice for on-site industrial machining, engineering maintenance and heavy industry processing scenarios.



### Features

High-rigidity modular bed, customizable extension

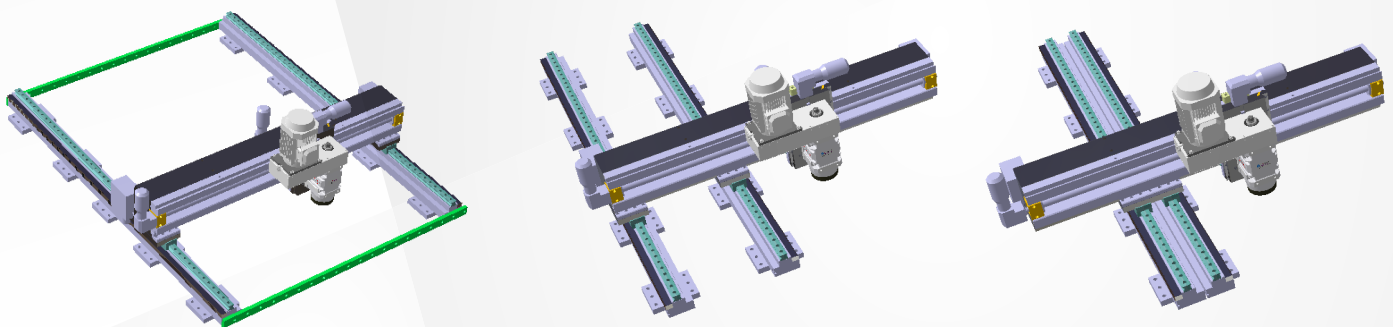
Dual-purpose for linear & gantry milling

Dual-axis linkage system, suitable for large workpiece machining

Multi-functional spindle, supporting surface milling, flange milling

Optional manual/automatic travel, high efficiency for on-site repair

### Flexible Installation



## Specifications

Drive Options: Electric, Pneumatic, and Hydraulic

Air requirement: 1500L-3000L per minute @0.6-0.8Mpa  
(55-110 CFM, 90PSI)

Hydraulic requirement: 10-50L per minute @6-15Mpa

Electric requirement: 220-415V 3PH 50/60HZ

Feed mode: X/Y-axis automatic feed by motor with planetary reducer, Z-axis manual feed

Travel speed: Adjustable

## Electric Type E Series

### Advantage

Simple operation, plug-and-play on-site

Low maintenance cost and easy troubleshooting

Compatible with BT40/BT50 standard spindle

Stable performance for most industrial site conditions

## Air Type P Series

### Advantage

Available with BT40 spindle

Explosion-proof design, suitable for flammable and hazardous environments

No risk of electric sparks, ideal for oil/gas and petrochemical sites

Simple structure, low maintenance requirements

## Hydraulic Type H Series

### Advantage

Compatible with BT40/BT50 standard power heads

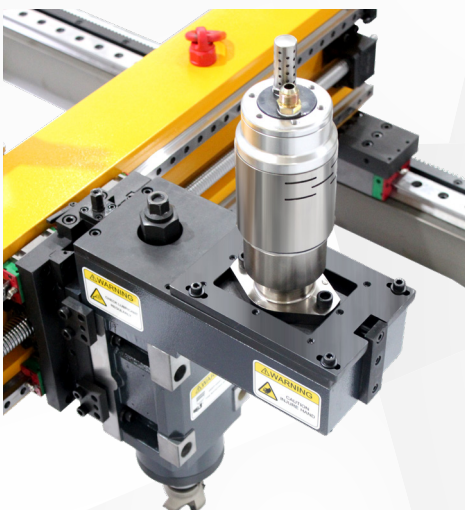
Powerful drive with high torque

Excellent performance for heavy cutting loads

Stable operation under heavy-duty conditions

Suitable for milling large margin job

## Milling Head Spindle



Milling Head Spindle	BT40		BT50	
Max. Spindle Speed	400 RPM		300 RPM	
Rated Power	4 KW		5.5 KW	
Rated Torque	25~32 N·m		70~85 N·m	
Spindle Runout	0.005mm			
Milling Head Diameter	63mm	100mm	100mm	125mm
Recommended Milling Depth	0.4-1.5mm (Depends on Driven type)			
Drive Type	Pneumatic/Electric/Hydraulic		Electric/Hydraulic	

\* Consult us if any special application

## Model Size

Model	Bed X-Axis	Ram Y-Axis	MZ-Axis	Spindle	Driven
GLM1000-1000	1000	1000	150	BT40/BT50	Electric/Pneumatic/Hydraulic
GLM2000-1000	2000	1000	150	BT40/BT50	Electric/Pneumatic/Hydraulic
GLM2000-2000	2000	2000	150	BT40/BT50	Electric/Pneumatic/Hydraulic
GLM3000-1000	3000	1000	150	BT40/BT50	Electric/Pneumatic/Hydraulic
GLM3000-2000	3000	2000	150	BT40/BT50	Electric/Pneumatic/Hydraulic

\* Customized size is available

## Order Guide

Advise us the driven option: Electric, Hydraulic or Pneumatic

Advise us the Spindle size: BT40 or BT50

Advise us the size: Bed (X-Axis) Length, Ram (Y-Axis) Length

Other special requirement

## Application

