



## GMD3016/GMD2016/GMD1610

龙门移动式数控钻床 CNC Gantry Movable Plate Drilling Machine

### [设备描述]

- 本机床主要用于建筑、桥梁、铁塔等钢结构中的板类工件钻孔，也可用于锅炉、石化行业的管板、折流板和圆形法兰钻孔，效率高、精度高。
- 本机床主要有床身、龙门、液压进给式钻削动力头、液压系统、数控系统、冷却排屑系统等组成。

### [Machine Description]

- This machine is mainly used for drilling plates for buildings, bridges, steel towers and other steel structures. It also can be used for drilling tube plates, baffles and circular flanges for boiler and petrochemical industries. It has high efficiency and high precision.
- This machine mainly consists of worktable, gantry, hydraulic in-feeding drilling spindle, hydraulic system, NC system, and cooling and chip removal system.

### 🔍 技术参数 Technical Parameter

		GMD3016	GMD2016	GMD1610
装夹工件最大尺寸(长×宽)	Plate Maximum Size(L×W)	3000×1600mm	2000×1600mm	1600×1000mm
装夹工件最大厚度	Plate Maximum Thickness	100mm	100mm	80mm
钻削动力头垂直移动(Z轴) 数量	Drilling spindle's vertical movement (Z axis) (No.)	1	1	1
最大钻孔直径	Maximum Drilling hole diameter	Ø50mm	Ø50mm	Ø50mm
主轴电机功率	Spindle motor power	5.5kW	5.5kW	5.5kW
主轴转速	Spindle RPM	120~560r/min	120~560r/min	120~560r/min
Z轴行程	Stroke of Z axis	180mm	180mm	180mm
龙门纵向移动(X轴) 有效行程	Gantry Longitudinal Movement (Effective stroke of X axis)	3000mm	2000mm	1650mm
X轴最大移动速度	Maximum movement speed of X axis	0~10m/min	0~10m/min	0~10m/min
X轴伺服电机功率	Servo motor power of X axis	1.5kW	1.5kW	1.5kW
动力头横向移动(Y轴) 有效行程	Spindle's transversal movement (Effective stroke of Y axis)	1600mm	1600mm	1000mm
Y轴最大移动速度	Maximum movement speed of Y axis	0~10m/min	0~10m/min	0~10m/min
Y轴伺服电机功率	Servo motor power of Y axis	1kW	1kW	1kW
电气系统(数控系统)	Electrical system(CNC system)	PLC	PLC	PLC
数控轴数	CNC axis	2	2	2
液压系统(液压泵压力/流量)	Hydraulic system(Hydraulic pump pressure/capacity)	6MPa	6MPa	6.5MPa /16.7L/min
液压泵电机功率	Hydraulic pump motor power	2.2kW	2.2kW	2.2kW
冷却系统(冷却方式)	Cooling system(Cooling way)	外冷 outside cooling	外冷 outside cooling	外冷 outside cooling
冷却泵流量	Cooling pump capacity	200L/min	200L/min	200L/min
冷却泵电机功率	Cooling pump motor power	0.25kW	0.25kW	0.25kW
排屑器(排屑器型式)	Chip removal(Type)	平板链式Plate Chain	平板链式Plate Chain	平板链式Plate Chain
排屑速度	Speed	1m/min	1m/min	1m/min
排屑器电机功率	Motor Power	0.4kW	0.4kW	0.4kW
压缩空气(供给压力)	Compressed air (Supply pressure)	0.4MPa	0.4MPa	0.4MPa
机床电机总功率	Machine motor power	about 11kW	about 11kW	about 11kW
机床主机外形尺寸(长×宽×高)	Overall dimension(L×W×H)about	5740×4300×2900mm	5000×4400×2900mm	3800×3800×2800mm
机床主机重量	Main Machine Body weight	about 7500kg	about 6500kg	about 5000kg