

DMV

GANTRY CNC MILLING MACHINE

龙门 DMV 系列

2515 / 3015 / 3023 / 4023 / 6032

特点

龙门加工中心主要用于加工板类、盘类件、壳体件、模具等精度高、工序多、形状复杂的大型零件。

DMV 系列龙门加工中心采用定梁式双柱龙门框架结构，十字布局，机床稳固可靠。主轴箱采用氮气缸平衡机构，保证主轴箱沿滑鞍上下移动的平稳性。

床身、工作台、立柱、横梁、滑鞍、主轴箱等大件均采用高强度铸铁材料，造型为树脂砂工艺，两次时效处理消除应力，有效抑制了切削力导致机床的变形和振动。



MECHINE FEATURES

Gantry machining center is mainly used in large size parts, sheet machining, discs piece, housing piece, mold etc. with high accuracy , multi-processes , complex shapes.

DMV series gantry machining center adopts fixed beam double-column gantry frame structure, cross layout, and the machine tool is stable and reliable. The headstock adopts a nitrogen cylinder balancing mechanism to ensure the smoothness of the headstock moving up and down along the sliding saddle.

Bed, workbench, column, beam, sliding saddle, headstock and other large parts are made of high-strength cast iron material, which is made of resin sand. The two aging treatments eliminate stress and effectively inhibit the deformation and vibration of the machine tool caused by cutting force.



名称 Name	单位	DMV2515	DMV3015	DMV3023	DMV4023	DMV6032
工作台尺寸 Worktable size	mm	2500*1400	3000*1400	3000*2000	4000*1800	6000*2600
工作台承重 Maximum load	kg	6000	6000	12000	12000	20000
T 槽数 - 槽宽 * 间距 T slots	mm	7-22*180	7-22*180	11-28*160	9-22*180	11-28*200
龙门宽度	mm	1560	1560	2300	2300	3200

加工范围 Processing Range						
工作台最大行程 - X 轴 Table maximum stroke - X axis	mm	2500	3000	3000	4000	6000
滑座最大行程 - Y 轴 Maximum travel of sliding seat - Y axis	mm	1500	1500	2300	2300	3200
主轴最大行程 - Z 轴 Maximum travel of spindle - Z axis	mm	850	850	850	1000	1100
主轴端至台面距离最大 Maximum distance from spindle end to mesa	mm	1000	1000	1050	1400	1350
主轴端至台面距离最小 Minimum distance from spindle end to mesa	mm	150	150	200	400	250

主轴 Principal axis						
主轴规格 Main specifications		BT50-190	BT50-190	BT50-190	BT50-190	BT50-190
主轴传动方式 Spindle drive mode		皮带	皮带	直联	皮带 / 齿轮	皮带 / 齿轮
主轴转数 Spindle speed	rpm	6000	6000	6000	6000	6000/4500
导轨类型 X/Y 轴 Guide rail type X/Y axis		55/55	55/55	55/55	55/55	55/55
导轨类型 Z 轴 Guide rail type Z axis		矩形轨	矩形轨	方滑枕	矩形轨	方滑枕
丝杠规格 X 轴 Screw specification X axis		R6312	R6312	R8020	R8020	R10020
丝杠规格 Y/Z 轴 Screw specification Y/Z axis		R5010/R5010	R5010/R5010	R6312/R5010	R6312/R5010	R8020/R6310

进给 Feed						
X 轴 X axis	m/min	12	12	12	12	10
快速移动 Rapid feed	Y 轴 Y axis	m/min	12	12	12	10
Z 轴 Z axis	m/min	10	10	10	10	10

重复定位精度 Resetting						
定位精度 Positioning accuracy	mm	0.020	0.025	0.030	0.035	0.045
重复精度 Repeat accuracy	mm	0.012	0.015	0.018	0.020	0.025

其它参数 Other Parameters						
系统配置 The system configuration		MF/M80/828D	MF/M80/828D	MF/M80/828D	MF/M80/828D	MF/M80/828D
刀库容量 Dao database	T	24	24	24	24	32
整机重量 The weight	kg	24500	25500	35500	41500	74500
外形尺寸 Overall dimensions	mm	6500*4300*4500	7800*4300*4500	8200*5000*4700	10200*5000*4900	15800*7000*5200
排屑方式 Chip removal way		螺链排	螺链排	螺链排	螺链排	螺链排