Machine Name : Gantry machining center

Brand : JIER

Machine Model : XH2830*100

Stock No. : 87561

Ex-factory Date : 2012



Main Technical Parameters:

WorkWorktable size (width * length) : 3000mm * 10000mm

WorkWorktable load: 20,000 Kg/m ²

Column spacing: 4100mm(4400mm without guard cover)

Distance from spindle nose to workWorktable surface: 0-2500 mm

T-slot width: 36mm

T-slot spacing: 250mm

Longitudinal travel of the gantry frame (X-axis) : 11000mm

The working feed rate of the gantry frame (X-axis) : 5-5000 mm/min

The rapid moving rate of the gantry frame (X-axis) : 10,000 mm/min

2. Slide parameters:

The transverse travel of the slide plate (Y-axis) : 5500mm

The feed rate of the chute (Y-axis) : 5-5000 mm/min

Fast moving rate of the slide plate (Y-axis) : 10,000 mm/min

3. Parameters of the milling head ram:

Vertical travel of the ram (Z-axis) : 1500mm

The feed rate of the ram (Z-axis) : 5-5000 mm/min

The rapid movement speed of the ram (Z-axis) : 5000mm/min

The cross-sectional size of the ram is 550mm* 550mm

The power of spindle motor of the boring and milling head (S1/S6-60%) : 60/71kW

The maximum torque of spindle of the boring and milling head (S1/S6-60%) : 5100/6000N.m

spindle speed range of the boring and milling head is 5 to 2000r/min

Taper of spindle nose of the boring and milling head: ISONo.60(with ISONo.60/ISONo.50 reducer sleeve)

The diameter of the front support for spindle of the boring and milling head is 160mm

4. Beam parameters:

The up and down movement travel of the crossbeam (W-axis) : 1500mm

Crossbeam working feed rate (W-axis) : 5-2000mm/min

Rapid movement speed of the crossbeam (W-axis) : 2000 mm/min

5. tools magazine parameters (Chain tools magazine, vertical and horizontal tool changing, providing automatic tool changing for the main milling head, extended accessory milling head and right-angle accessory milling head)

magazine capacity: 40 pieces

Taper of the Tool holder: JT50

Maximum weight of a single Tool: 20Kg

Maximum Tool length: 500mm

Maximum Tool diameter (adjacent hollow tool) : Φ250mm

Adjacent Tool diameter (full tool)Φ125mm

Tool changing time (tool to tool) : 10 seconds

6. Manual feed for each axis

The minimum displacement when using a hand-cranked pulse generator: 0.001mm

7. Whole machine parameters:

machine tool floor space: Length x width x height (approximately) : 26000 * 11,000 * 7300mm

The total weight of machine tool (approximately) : 320 tons















2、 主要技术参数：

1、 主参数

固定工作台尺寸（宽×长） ..... 3000 mm×10000 mm

工作台承重 ..... 20000 Kg/m²

立柱间距 ..... 4100 mm(不带护罩4400 mm)

主轴端面至工作台面距离 ..... 0~ 2500 mm

T型槽宽 36mm

T型槽间距 ..... 250 mm

龙门框架X向行程(X轴) ..... 11000 mm

龙门框架工作进给速度(X轴) ..... 5 ~ 5000 mm/min

龙门框架快速移动速度(X轴) ..... 10000 mm/min

2、 滑枕参数：

滑板横向行程(Y轴) ..... 5500 mm

滑板工作进给速度(Y轴) ..... 5 ~ 5000 mm/min

滑板快速移动速度(Y轴) ..... 10000 mm/min

3、 铣头滑枕参数：

滑枕垂直行程(Z轴) ..... 1500 mm

滑枕工作进给速度(Z轴) ..... 5 ~ 5000 mm/min

滑枕快速移动速度(Z轴) ..... 5000 mm/min



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滑枕截面尺寸 ..... 550 mm×550 mm

镗铣头主轴电机功率（S1/S6-60%） 60/71kW

镗铣头主轴最大扭矩(S1/S6-60%) 5103/6000N.m

镗铣头主轴转速范围 ..... 5~2000 r/min

镗铣头主轴端部锥度 ..... ISO No.60(带ISO No.60/ISO No.50变径套)

镗铣头主轴前支承直径 Φ160mm

4、 横梁参数：

横梁上下移动行程(W轴) 500mm

横梁工作进给速度(W轴) ..... 5 ~ 2000 mm/min

横梁快速移动速度(W轴) ..... 2000 mm/min

5、 刀库参数(链式刀库，立卧类刀，为主轴头和加长附件铣头，直角附件铣头提供自动换刀)：

刀库容量 40把

刀柄锥度 JT50

单个刀具最大重量 20Kg