

Machine Name : Gantry machining center

Brand : JIER

Machine Model : XH2830*100

Stock No. : 87561

Ex-factory Date : 2012



Main Technical Parameters:

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

Worktable load: 20,000 Kg/m²

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

Distance from spindle nose to worktable 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) : $\Phi 250\text{mm}$

Adjacent Tool diameter (full tool) $\Phi 125\text{mm}$

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





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