

Machine Name : CNC gantry milling machine

Brand : Honor

Machine Model : PL-160CM

Stock No. : 69171

Ex-factory Date : 2019



Main Technical Parameters:

Worktable diameter: 1600mm

Maximum rotation diameter: 2000 mm

Maximum cutting diameter: 2000mm

Maximum cutting height: 700mm

Maximum machining weight: 8000 kg (8 tons)

Land area: 8560(width) × 8890(depth) × 5255(height) mm

Total Machine weight: 40,000 kg (40 tons)

travel and structure

Crossbeam structure (X-axis) : Fixed type

Horizontal travel (X-axis) : 1000 mm (straight line) + 1150 mm (arc)

Vertical travel (Z-axis) : 900 mm

The cross-sectional area of the RAM is 250 × 250 mm

RAM end model: PC22A (Double-sided restraint, patented tool holder)

Distance from Worktable surface to the end face of the ram: 1250mm

spindle and Tool CNC System

spindle motor power: continuous / 30-minute overload, 37kW / 45kW

Maximum torque of spindle: 304 Nm × 1 set

Spindle speed: 3 to 250 rpm (stepless speed change, high/low gear)

spindle bearing: Crossed roller bearing

The indexing of spindle of the C-axis Worktable: ±10 seconds (up to ±3 seconds with optional upgrade)

Minimum indexing display of C-axis: 0.001 degree (Siemens CNC)

lathe tool Tool Footage: 25× 25mm / 32× 32mm square tool holder, or Ø 50mm round tool holder

The maximum weight of the lathe tool set is 80 kg per piece, and the longest is 500 mm

ATC tool position: A total of 24 positions (12T lathe tool + 12D milling Tool), equipped with a ram for tool changing

The heaviest weight of the power Tool set is 18 kilograms

Specification of power tool holder: BBT50 (45 degree of the puller screw, MS-1)

Second Spindle speed: 50 to 2500 rpm

Second spindle motor: 11/15 kW (Siemens)

Feed Control CNC System

CNC controller: Siemens 828D

The power of the feed servo motor: 8.2kW for each of the X-axis, Z-axis and Y-axis

Axial rapid feed rate (X/Z/Y) : 10 m/min

Cutting feed rate: 0.001-500 mm/rev



