

**Machine Name : Vertical lathe**

**Brand : Qizhong**

**Machine Model : DVT M1300×60300L-NC**

**Stock No. : 812561**

**Ex-factory Date : 2026**



**Main Technical Parameters:**

Maximum Machining diameter: 13,000 mm

Maximum workpiece weight: 300 tons

Maximum workpiece height (from table surface to underside of tool holder): 6,000 mm

Worktable diameter: 10,000 mm

Worktable speed mode: stepless + two mechanical gears

Worktable speed range: 0.16 – 16 r/min

C-axis speed range: 0.0002 – 0.2 r/min

Maximum worktable torque: 800 kN·m

Main motor power: 2 × 125 kW

Feed System

Rapid traverse speed: 4,000 mm/min

Feed mode: stepless speed regulation

Feed range: 0.1 – 1,000 mm/min

Horizontal travel: 3,000 mm

Vertical travel: 3,000 mm

Tool Slide (Ram)

Ram cross-section: 400 × 400 mm

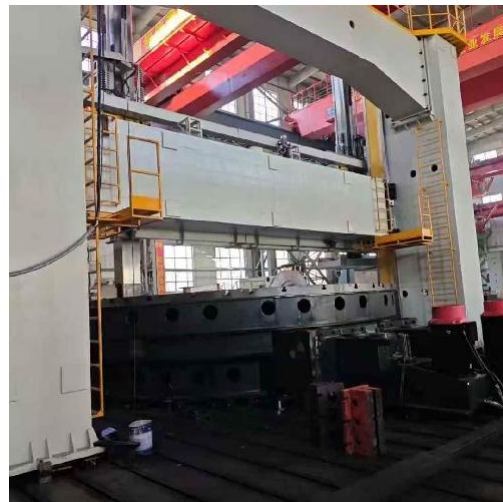
Maximum cutting force: 125 kN

Tool holder cross-section: 80 × 80 mm

Spindle motor power: 44 kW

Spindle speed range: 10 – 1,200 r/min

Spindle taper: BT50



4. 技术参数

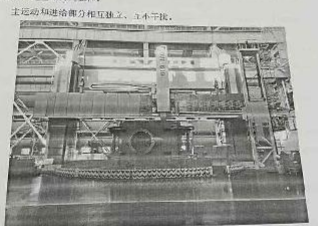
|          |          |
|----------|----------|
| ● 工件性能参数 |          |
| 工件长度     | 0-1000mm |
| 工件直径     | 0-100mm  |
| 最大工件重量   | 1000kg   |
| ● 工件性能参数 |          |
| 工件长度     | 0-1000mm |
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5. 机床结构概述

5.1 总体布局

5.2 主传动机构

主传动为两个两档无级变速箱，由两套交流伺服电机双伺服驱动，交流伺服电机垂直放置，经立轴机构变速，实现加工时工作台所需的转速范围。



参考图片