

# Quartz Glass Deep Hole Drilling Machine

## ■ Product Description

The fiber optic quartz glass deep hole machine tool (HT-1000) is a special machine tool. The machine tool structure and configuration are specially optimized according to the material properties and processing characteristics of the fiber optic quartz glass rod. The machine tool uses high-precision linear rails, screw rods and high-speed spindles to ensure that the accuracy of the machine tool is stable and reliable. Through special tool drills and cutting tools, and adjusting processing parameters, the processing effect can reach a good level.

## ■ Product Features

- High quality cast iron bed, Machine tool precision, excellent performance
- New Generation numerical control system, fully automatic operation, simple and easy to learn, safe and stable
- The fully-protected sheet metal cover has the advantages of beautiful design, convenient operation and humanization
- Variable frequency motor, can achieve different aperture flow and pressure remote regulation



## ■ Product Specifications

Project	Unit	Index
Processing hole diameter	mm	Φ3-Φ30
The range of workpieces that can be clamped	mm	Diameter 10-100, length ≥1000
Processing depth	mm	1000
X- axis table left and right travel	mm	1000
Y- axis up and down movement strok	mm	1000
Spindle speed adjustment range (stepless)	r/min	0-10000
Processing feed speed range	mm/min	0-300
Rapid traverse speed	mm/min	5000
cutting oil maximum pressure	kgf/cm <sup>2</sup>	80
Maximum flow rate of cutting oil	L/min	68
Drilling entrance positioning accuracy	mm	≤0.05
Hole diameter accuracy of drilling	/	H8~H11
Repeatable positioning accuracy of machine tools	mm	0.015
Spindle maximum speed	rpm	10000
Workbench size (length x width)	mm	1200x900
Total machine power	kw	30
Total machine weight	T	9