

HST-LDQ200Z Super Large Automatic Metallographic Cutting Machine



Introduce:

HST-LDQ200Z Super Large Automatic Metallographic Cutting Machine, use cutting pieces with a diameter of 500 mm, is one of the cutting machines with the largest cutting capacity at present. Suitable for cutting all kinds of metal, non-metal material sample, in order to observe the material metallographic, lithofacies structure. The machine cutting process automation, low noise, easy to operate, safe and reliable, complete to meet the modern laboratory production of large workpiece cutting requirements.

Main features

1. Large cutting capacity, the maximum cutting diameter $\Phi 200\text{mm}$
2. Large cutting pieces with a diameter of 500 mm can be used;
3. Cutting mode: Manual, Y-axis straight line, Z-axis straight line, Y-axis impact, Z-axis impact.
4. Three-axis automatic, high precision stepper motor, servo motor control
5. Siemens motor and PLC programmable controller, frequency control of 500~3000 RPM
6. Large working table and cutting warehouse

Main technical parameters:

1	Cutting pattern	Chop cutting, flat push cutting, impact cutting
2	Feed mode	Continuous feed, pulse feed, manual feed
3	Motor	Siemens, 7.5 kW
4	Frequency control of motor speed	500 ~ 3000 RPM
5	PLC	Siemens, LCD touch screen, button,
6	Specification of cutting piece	500*5*32mm
7	Maximum cut diameter	$\Phi 200 \text{ mm}$
8	Cutting speed	0.01 ~ 3 mm/s
9	Axis movement	Z and Y axis servo motor control; X axis stepping motor control
10	Largest stroke	Z axis 150mm; Y axis 330 mm; X axis 145 mm
11	Cutting chamber size:	830 mm * 1040 mm
12	Cutting clamp	Fast push-pull type set, the height of the clamp mouth is 60mm
13	Cooling device	Four cooling water, one cooling water gun
14	Circulating water tank	Magnetic filter
15	lighting	Dual machine working lights
16	Power	380V/ 50Hz
17	Overall dimensions	2253mm×1270mm×1955 (length × width × height)
18	Weight	700 kg