

Diamond Saw Blades Precision Quick Cutting Machine for Crystal and Ceramic



Product introduction:

iqualitrol iCut-200H manual fast cutting machine is suitable for rough machining of various crystal, ceramic, glass, rock and metallographic samples. Diamond saw blades, plated diamond saw blades and resin saw blades are available for this model depends on difference cutting materials.

iCut-200H is a manual rapid cutting machine, the sample was fed manually and rapidly, and the rotation speed of the saw blade can be adjusted according to the different materials to be cut. The cooling water box was built in the machine body. A small amount of cooling water can meet the cutting needs and save water and Small size and space occupied.

iCut-200H manual fast cutting machine is simple in design, easy to operate and equipped with sample clamps, which can ensure the stable advance and the accuracy of the cutting dimension in the process of sample cutting.

The body shell is made of high-grade resin, waterproof, corrosion-resistant and light. It is the best choice tool for rough processing of samples in the laboratory.

Installation Conditions:

iqualitrol iCut-200H is required to be used at an altitude of 1000m or less, a temperature of $25^{\circ}\text{C}\pm 15^{\circ}\text{C}$, and a humidity of $55\% \text{ Rh}\pm 10\% \text{ Rh}$.

- 1, Water: The equipment is equipped with a self-circulating water tank (filled with purified water or deionized water)
- 2, Power Supply: AC220V 50Hz, must have a good ground connection
- 3, workbench: size 600mm × 600mm × 700mm, bearing more than 50kg
- 5, ventilation device: need

Technical Parameters:

Power Supply	AC220V/50Hz/1Ph
Power Consumption	250W
Spindle Speed	100rpm-2000rpm
Cutting Depth	47mm
Saw Blades	Diamond Saw Blade: 200*25.4*1mm Silicon carbide saw blade: 205 * 32*1.2mm Corundum saw blade: 205*32*1.2mm
Clamp Jaw Size	54*40mm
Cutting Table Size	500*380mm
Dimension	550mm × 440mm × 225mm
Weight	13Kg

Main Features:

1. It can be continuously variable in 100rpm-2000rpm to meet the cutting needs of different samples.
2. The spindle speed is high and the cutting speed is fast.
3. The sample loading operation is convenient and fast.
4. The motor is equipped with an overheat protection device.

Standard accessories:

1	Cutting ruler	1 piece
2	Blade Cover	1 piece
3	Edge sintered diamond saw blade, 200mm*25.4*1.0mm	1piece
4	Silicon carbide saw blade: 205 * 32*1.2 mm	5piece
5	Corundum saw blade: 205 * 32*1.2 mm	5piece

Optional accessories:

geological sheet cutting fixture

