



iCut-30P

Low Speed Precision Cutting Machine



Contact us

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Feature and Application



Product Feature

- Use ultra-thin 0.4 mm thick diamond cutting discs;
- This equipment is equipped with a variety of clamps, which can well clamp samples of various shapes and structures;
- Accurately adjust the feed speed of the processed object through gravity;
- Equipped with limit switches, unattended processing can be achieved;
- Use sintered diamond cut-off wheel, suitable for precise cutting of various hard materials such as glass, circuit boards, rocks, etc.

Product Application

- Material science research
- Low-speed cutting machines can be used to prepare material samples for metallographic analysis, scanning electron microscopy observation, and various mechanical property tests;
- Geological research
- Low-speed precision cutting machines can meet the extremely high precision and minimal material damage required for rock and mineral samples;
- Electronics and semiconductor industries
- Low-speed precision cutting machines can provide smooth, fine cutting surfaces to meet the processing requirements of ceramics and certain types of glass;
- Composite material processing
- Low-speed precision cutting machines can accurately cut composite materials without destroying the interface between the reinforcing fibers and the matrix, providing key samples for material performance testing.

Product Details



1. Display Screen

2. Buttons

3. Protective Cover



1. Display Screen: State: Current State Of The Device; Speed: Speed Set By The Device It Will Run At The Set Speed After Startup.

3. Speed Decrease Button

4. Stop Button

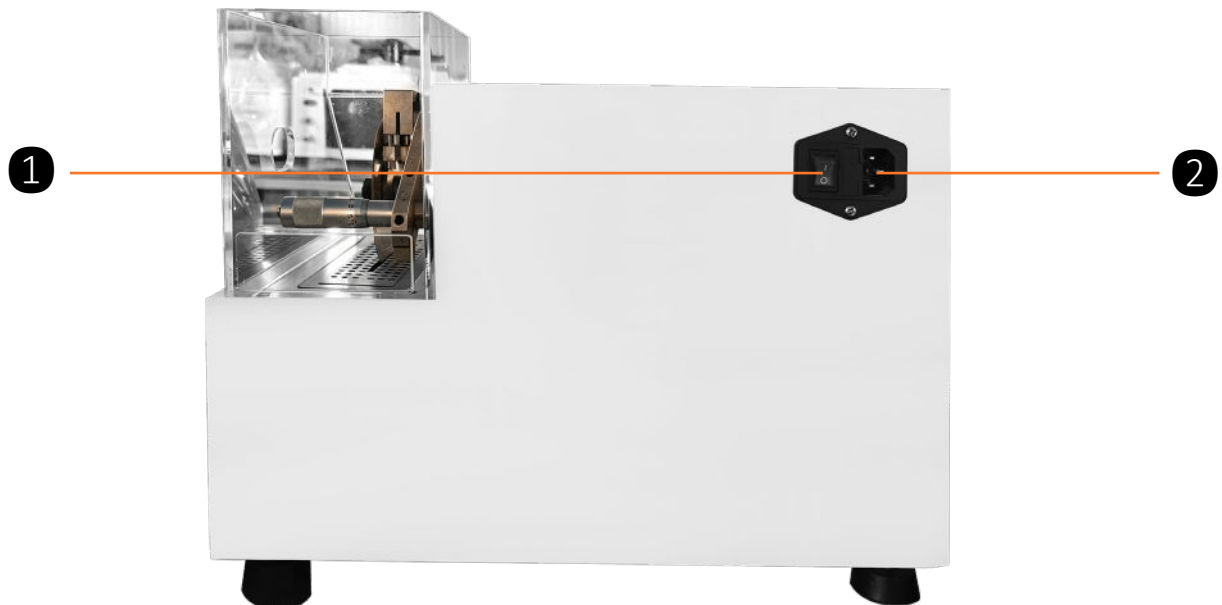
2. Speed Increase Button

5. Start Button

Product Details



- | | | | |
|---------------------|------------------------|----------------------|-------------------------------------|
| 1. Clamp | 2. Cutting Disc | 3. Rocker Arm | 4. Horizontal knob and Ruler |
| 5. Waste Box | 6. Anchor Screw | | |



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| 1. Switch | 2. Power Socket |
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Product Details



- Screw Positioning Micrometer
- The thickness of the cut sample can be quantitatively controlled by adjusting the lateral knob, and it can also be used to adjust the position of the sample.

Technical Specification

Name	Low Speed Precision Cutting Machine
Model	iCut-30P
Cutting Disc Diameter	Φ100*0.4*12.7mm
Travel Distance	25mm
Positioning Accuracy	0.01mm
Rotation Speed	0-600rpm
Max Cutting Diameter	Φ30
Power	50W
Voltage	220V
Machine Dimension	415*340*270mm
Net Weight	18.5KG
Gross Weight	33KG

Standard Delivery

Name	Qty	Photo
Main Unit	1pc	
Wrench(17-19mm)	1pc	/
Open-end Wrench(20mm)	1pc	/
Fixture	4pcs	
Diamond Cutting Disc (100*12.7*0.4mm)	1pc	
Counterweight	2pcs	
Instruction Manual	1copy	
Product Certificate/ Warranty Card	each 1copy	