

# Mikrosize®

## iCut-30P Low Speed Precision Cutting Machine



### Contact us

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## Product Features and Application

### Product Features

- 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.



## Instrument Interface



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.

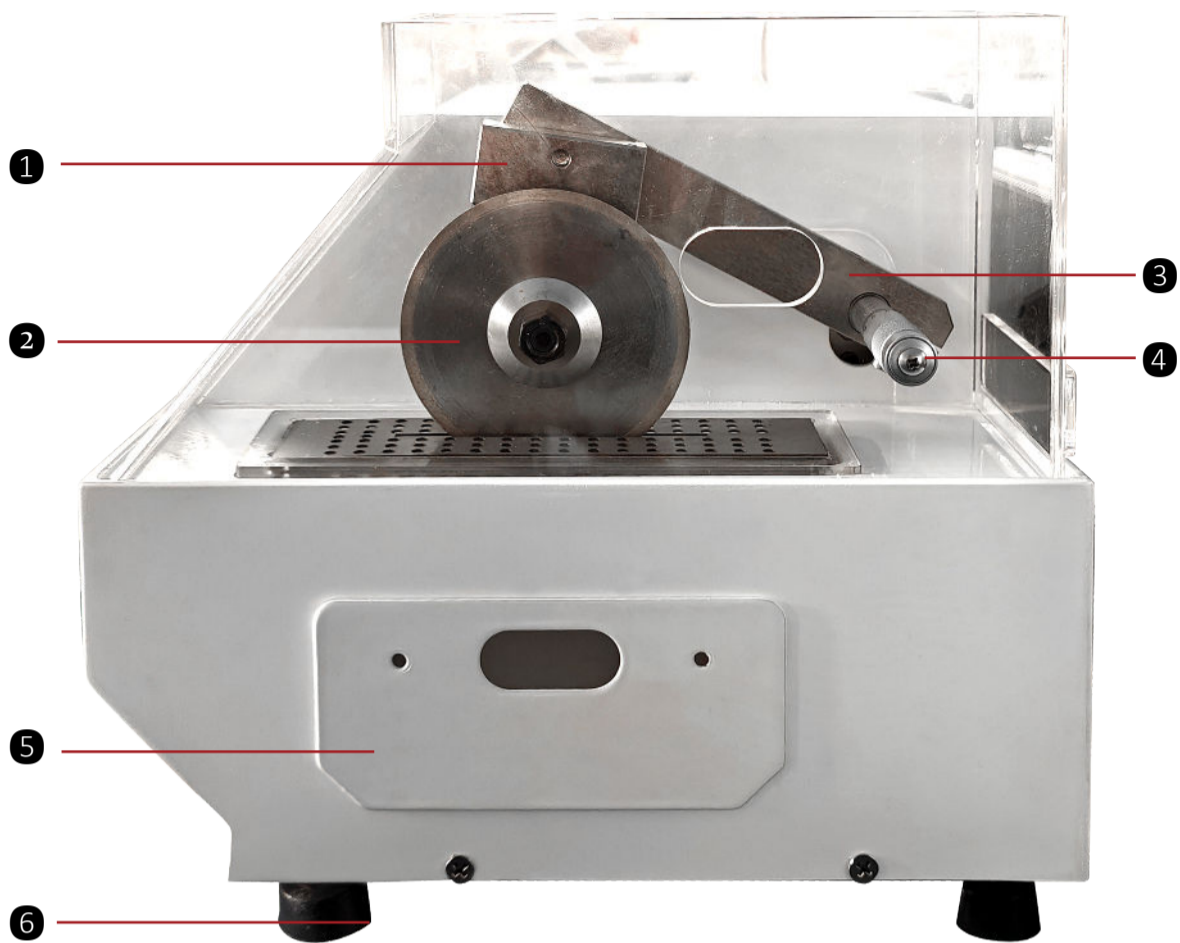
**2. Speed increase button**

**3. Speed decrease button**

**4. Stop button**

**5. Start button**

## Instrument Appearance



- 1. Clamp    2. Cutting disc    3. Rocker arm    4. Horizontal knob and ruler**  
**5. Waste box    6. Anchor screw**



### 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.

## Instrument Appearance



### Machine on the Back

1. Switch

2. Power socket



# Technical Specification

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

## Standard Delivery

Name	Qty	Specification	Picture
Machine Mainframe	1 set		
Wrench	1 pc	17-19mm	
Open-end Wrench	1 pc	20mm	
Fixture	3 pcs		
Diamond Cutting Disc	1 pc	100*12.7*0.4mm	
Counterweight	2 pcs		
Instruction Manual	1 copy		
Product Certificate	1 copy		
Warranty Card	1 copy		