

MPCut-150

Precision Cutting Machine



Contact us

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Feature and Application

Product Feature

- Closed-loop control with precise speed regulation; speed range: 200~1500 RPM.
- Precision cutting with cutting accuracy up to 0.01 mm.
- Digital micrometer for accurate sample positioning adjustment.
- Automatic stop upon complete specimen severance.
- Wide compatibility of cutting wheels; diamond cutting wheel supplied as standard.
- Multiple optional accessories including cutting platforms available.

Product Application

- Metallographic and electron microscopy specimen preparation
- Cross-section observation of hard, brittle non-metallic materials such as ceramics to detect porosity, mechanical strength and microstructures
- Precision cutting preparation for miniature specimens and heat-sensitive materials



Product Structure



1.Protective Cover

2.Cutting Wheel

3.Chip Tray

4.Control Panel

5.Emergency Stop Button

6.Power Switch



1.Rotational Speed

2.ON

3.OFF

4.Speed Adjustment Knob

Product Detail



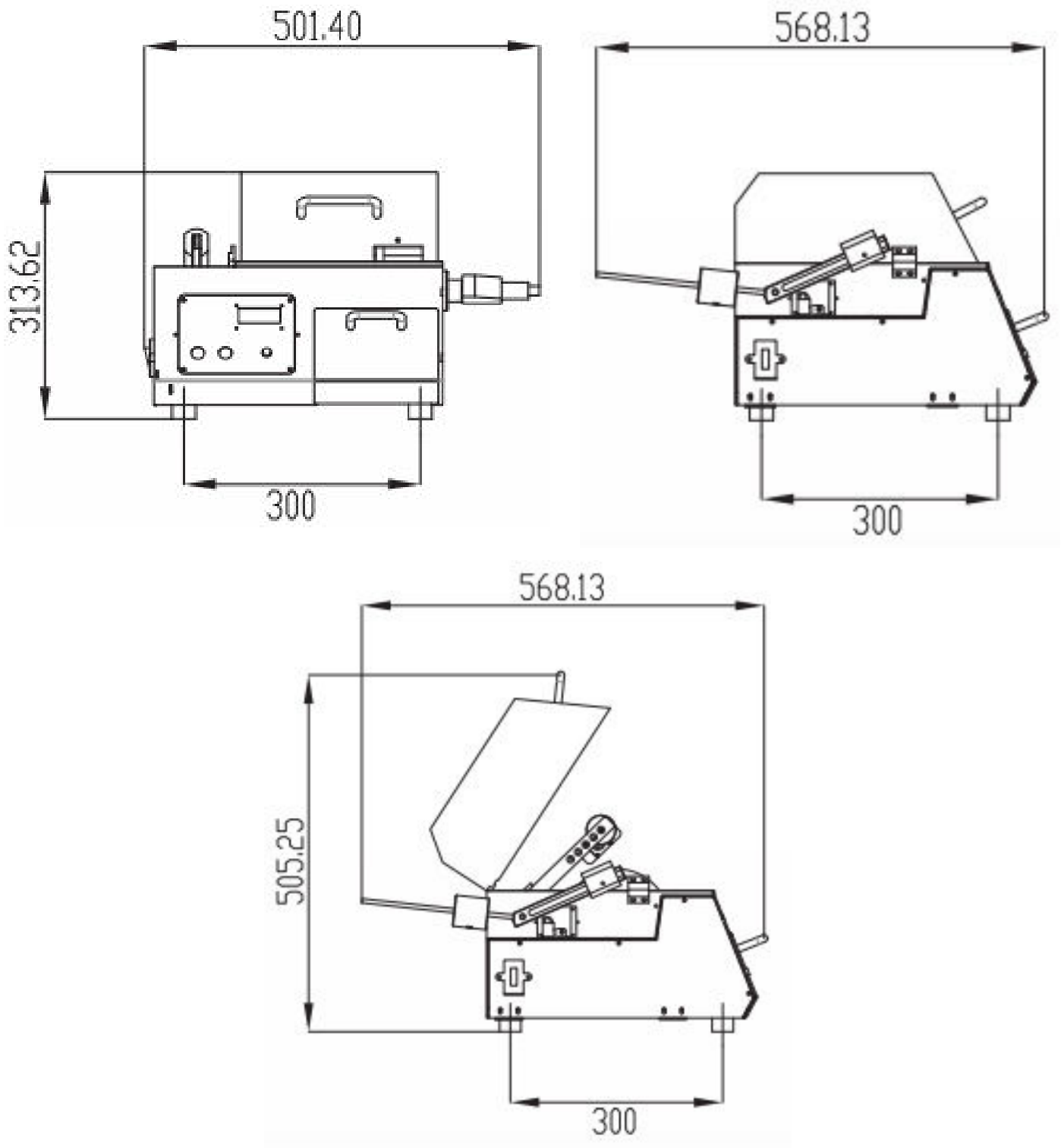
- Standard Diamond cutting wheel
- Built-in recirculating cooling water tank

- Digital micrometer for precise control of specimen cutting thickness



- Magnetic safety interlock switch: The machine can only operate when the protective cover is fully closed to prevent accidental injuries

Overall Dimension



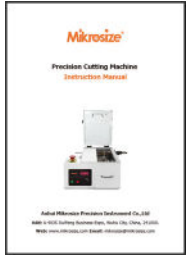
Technical Specification

Name	Precision Cutting Machine
Model	MPCut-150
Cutting Mode	Gravity-fed Automatic
Cutting Wheel	150 (5.9inch) *12.7*0.6mm
Spindle Speed	200~1500rpm
Power	125w
Power Supply	Single-phase 220 V, 50/60 Hz

Standard Delivery

Name	Qty	Photo
Mainframe	1pc	
Diamond Cutting Wheel	1pc	
Counterweight Weights	2pcs	
Single-clamp/Double-clamp Fixture	1pc	
30/40 mm Chuck Fixture	1pc	
Irregular Specimen Fixture	1pc	

Standard Delivery

Name	Qty	Photo
Teardrop Fixture	1pc	
Cutting Fluid	1pc	
Power Cord	1pc	
Operation Manual	1copy	
Certificate of Conformity	1copy	
Warranty Card	1copy	

Optional Delivery

Optional

Alumina Resin Cutting Wheel

Silicon Carbide Cutting Wheel

Adhesive / Multi-purpose / Angle Fixtures

Flat Platform

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