



AutoCut-200F

Automatic Precision Flat Cutting Machine



Contact us

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Feature and Application

Product Feature

- High-torque DC motor and stepless speed control system.
- Closed-loop speed control for precise speed regulation; customizable rotational speed.
- Manual/Automatic cutting modes; automatic pulse cutting
- Standard delivery of diamond cut-off wheel 200mm x 12.7x 0.8mm.
- High-definition color touchscreen for intuitive, user-friendly operation.
- Dual cutting methods: linear cutting and pulse cutting.
- Schneider Electric components and low-voltage control ensure safety and reliability.
- Magnetic safety switch automatically stops the motor when the protective cover is opened, enhancing safety.
- Anodized aluminum alloy T-slot worktable; corrosion-resistant and allows for easy clamp replacement.
- Worktable dimensions: 368 x 424 mm.
- Quick-release fixture made of aluminum alloy; convenient to operate, corrosion-resistant, and durable.
- Housing constructed from high-strength composite material; rust-proof.
- Panoramic transparent viewing window.
- Built-in recirculating cooling water tank.

Product Application

- Sampling for process inspection and failure analysis in the machinery manufacturing and heat treatment industries.
 - Metallographic cross-sectioning of PCBs and cross-sectioning of semiconductor packages in the electronics and semiconductor industries.
- Sectioning of hard non-metallic materials (such as
- ceramics) to examine internal sintering porosity and grain structure.
- Preparation of standard specimens from various
- metals and ceramics for educational experiments in materials science.



Product Structure



1. Protective Cover

4. Touch Screen

7. Handwheel

2. Cut-off Wheel

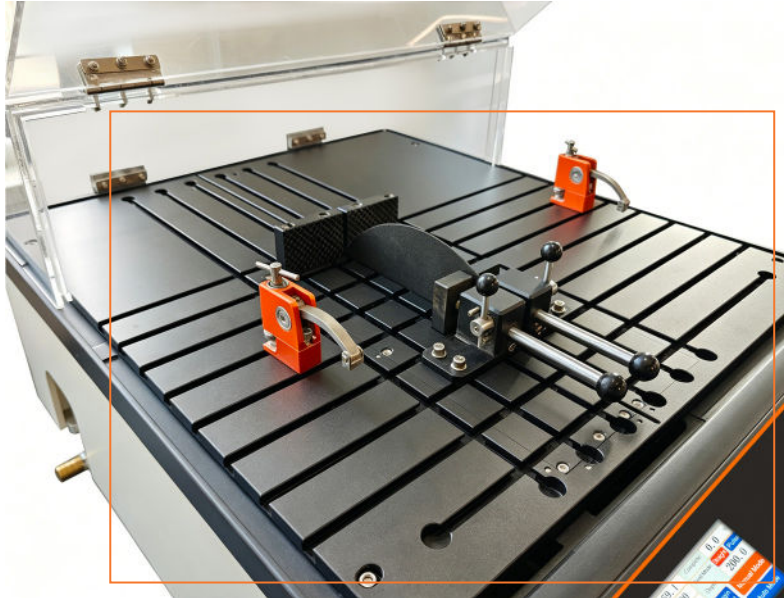
5. Control Buttons

8. Power switch

3. Quick-release Clamp

6. Emergency Stop Button

Product Details

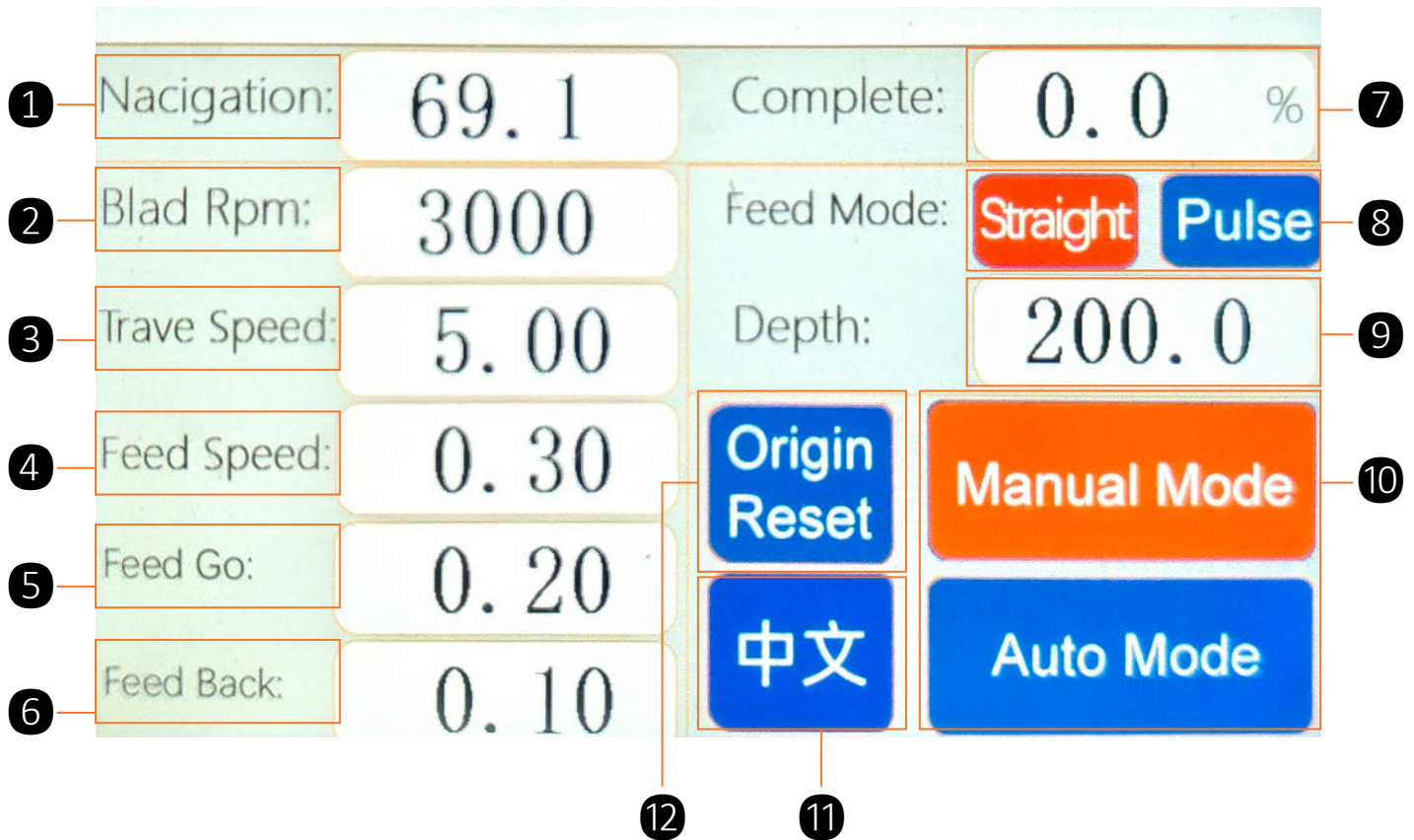


- Aluminum alloy T-slot worktable; dimensions: 368 x 424 mm
- Standard quick-release clamp aluminum alloy; rust-proof and corrosion-resistant.
- Optional vertical clamp available



- The equipment supports both manual and automatic cutting.
- In manual mode, the sample can be cut by turning the handwheel.

Display and Keys



1.Navigation: Relative Coordinate Position on the Y-axis.

2.Blade Rpm: Cutting Speed, Adjustable from 500 to 3000 rpm.

3.Travel Speed: Y-axis Movement Speed When not Cutting; Adjustable from 0 to 10 mm/s.

4.Feed Speed : 0.1~5mm/s Adjustable

5.Feed Go: Y-axis Feed Distance in Pulse Cutting Mode; 0~5mm Adjustable.

6.Feed Back: Y-axis Retraction Distance in Pulse Cutting Mode;0~5mm Adjustable.

7.Complete: Cutting Progress Based on the Set Cutting Length.

8.Feed Mode: Two Cutting Methods Available in Automatic Mode.

Straight: Cutting at a Constant Speed.

Pulse: Reciprocating (back-and-forth) Cutting at a Constant Speed.

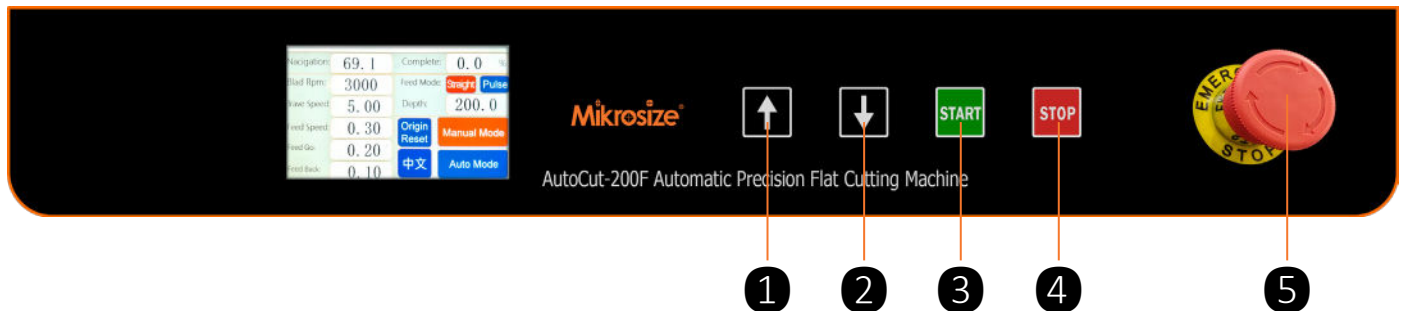
9.Depth: Length Dimension of the Workpiece to be Cut; 5~160mm Adjustable.

10.Manual Mode/Auto Mode: Choice of Manual or Automatic Cutting Modes.

11.Language

12.Origin Reset: Reset to the Absolute Zero Position.

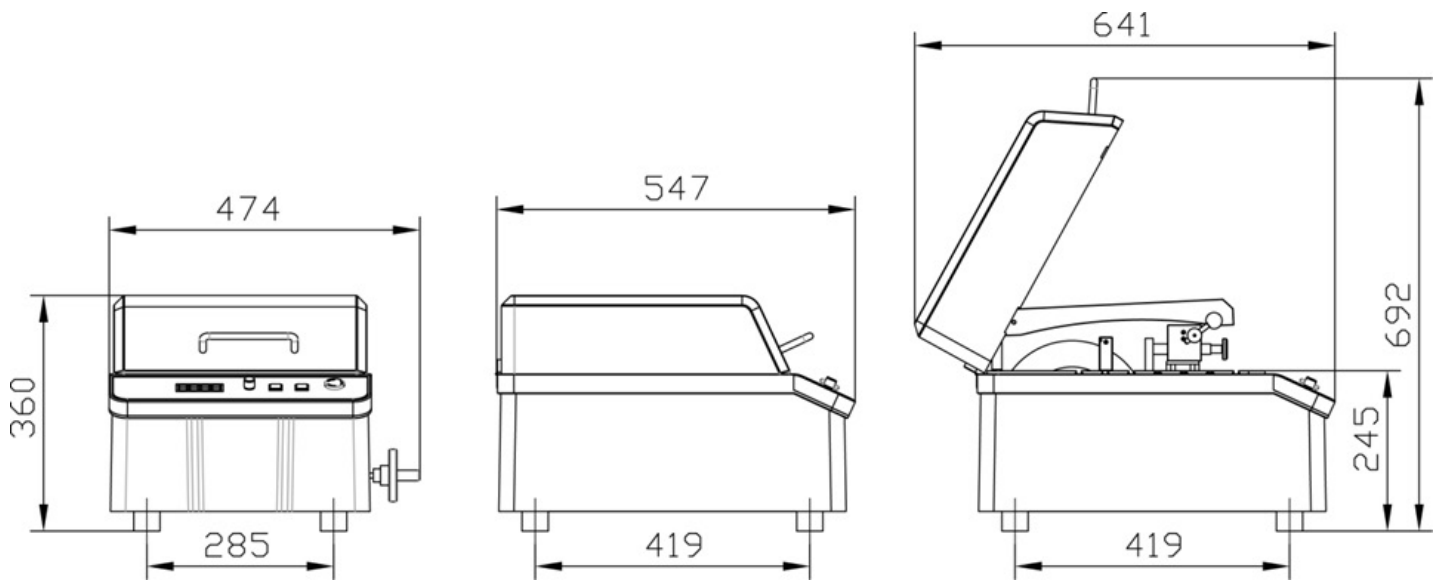
Display and Keys



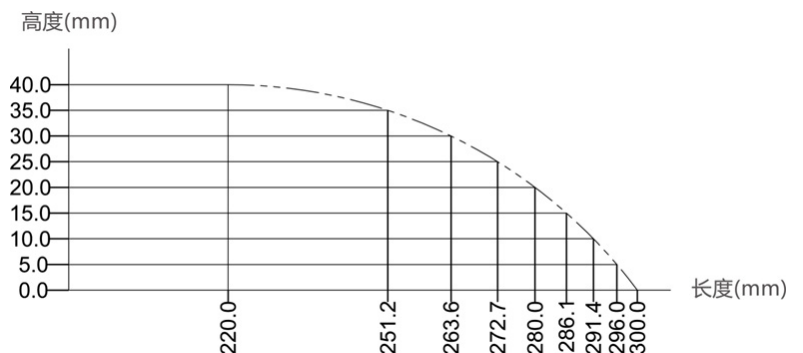
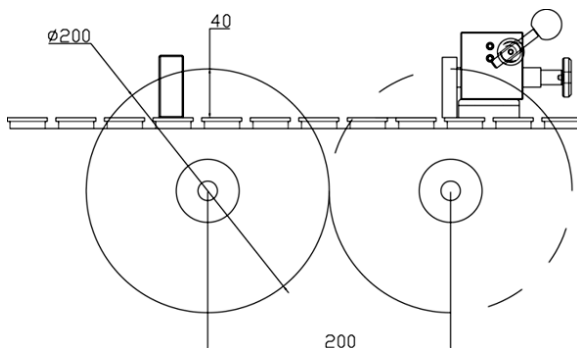
- 1. Control Y-axis Forward Movement in Automatic Mode**
- 2. Control Y-axis Backward Movement in Automatic Mode**
- 3. Start Cutting in Automatic Mode**
- 4. Stop Cutting in Automatic Mode**
- 5. Emergency Stop Button**



Machine Dimensions



Cutting Capacity



Technical Specification

Name	Automatic Precision Flat Cutting Machine
Model	AutoCut-200F
Y-axis Feeding	Manual & Auto
Cutting Method	Straight line; Pulse
Cut-off Wheel	200*12.7*0.8mm
Spindle Speed	500~3000rpm, Customizable
Worktable	368*424mm
Cooling Method	Built-in Circulating Cooling Water Tank
Power Supply	600W
Power Source	Single Phase 220V

Standard Delivery

Name	Qty	Photo
Mainframe	1pc	
φ200mm Diamond Cut-off Wheel	1pc	
Aluminum Alloy Quick-release Clamp	1pc	
2L Cutting Fluid	1pc	

Standard Delivery

Name	Qty	Photo
Power Cord	1pc	
Installation Tools	1pc	/
Instruction Manual	1copy	
Product Certificate	1copy	
Warranty Card	1copy	

Optional Delivery

Optional

Vertical Clamp

Silicon Carbide Cut-off Wheel

Split-screw clamp

Aluminum oxide resin Cut-off Wheel

X-axis Feeding Clamp

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