

iCut-80M & iCut-100M Manual Metallographic Abrasive Cutting Machine



Video



Contact us

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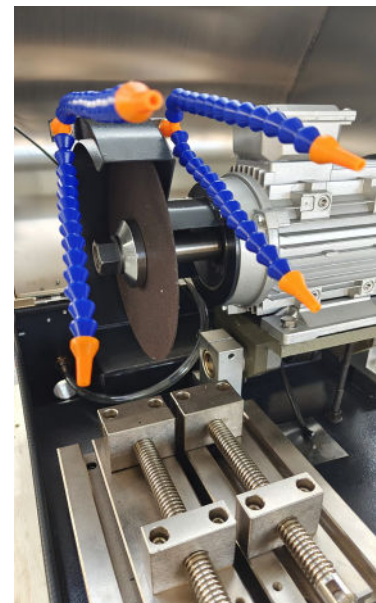
Feature and Application

Product Feature

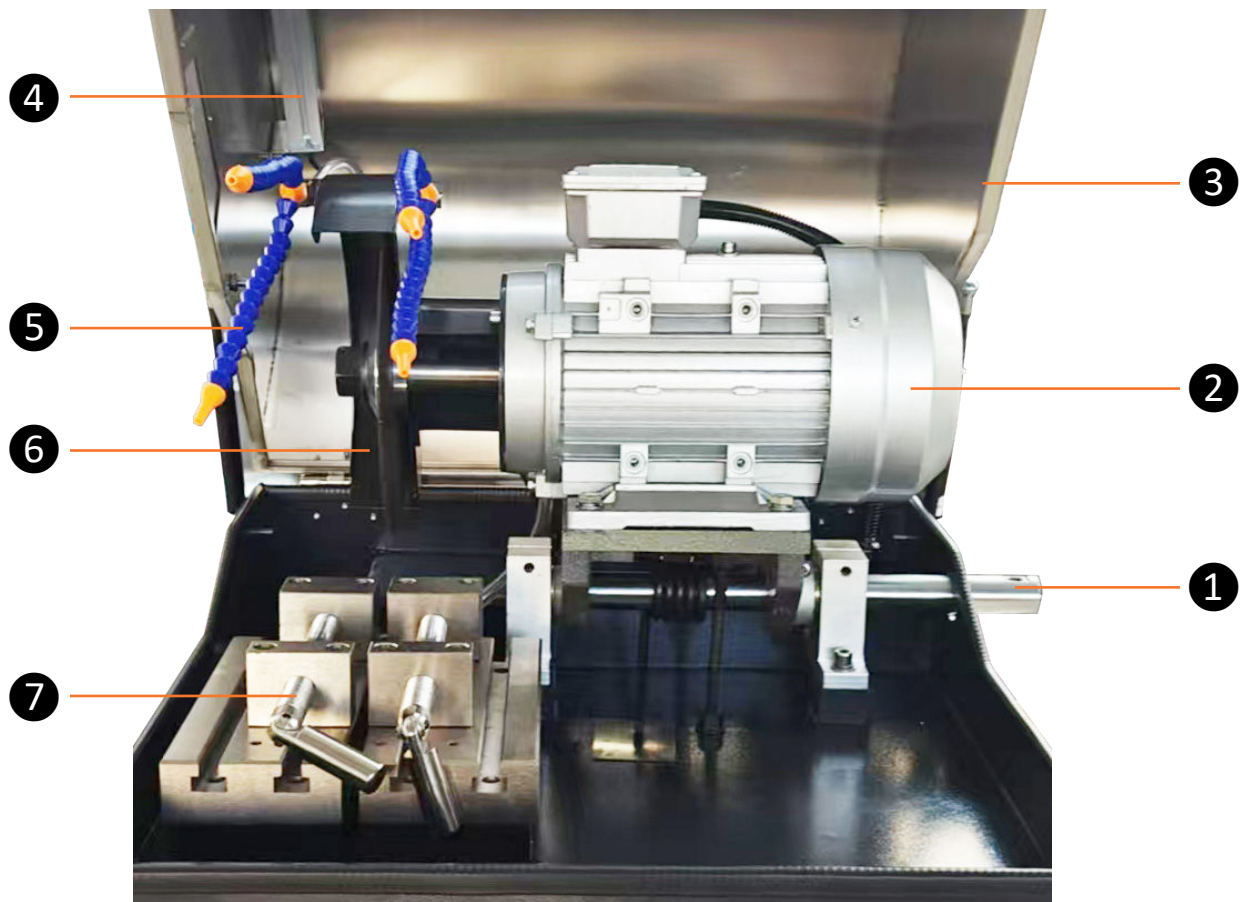
- The outer shell is made of stainless steel;
- Equipped with a large observation window;
- LED lighting is installed in the cutting room to achieve effective lighting of all areas of the entire cutting room; it increases the brightness and clarity of the workroom;
- Highly wear-resistant grinding wheel cutting discs are used, with neat cuts and good cutting effects;
- Equipped with multiple cooling water spray nozzles with adjustable directions to ensure effective cooling of the cutting part;
- Bilateral quick clamp.

Product Application

- Metal processing field
- It can be used to cut various metal materials such as iron pipes, steel pipes, aluminum alloys, etc.
- Industrial manufacturing and quality control
- It can be used to prepare metallographic samples of various mechanical parts, helping engineers analyze the performance and reliability of parts, optimize material selection, and improve the performance and durability of parts.
- Product failure analysis
- It can accurately cut out the sample area containing the fracture source, providing key evidence for diagnosing the cause of the problem. This is of great significance for improving product design and improving product reliability.



Product Details



1. Handle Shaft

2. Drive Motor

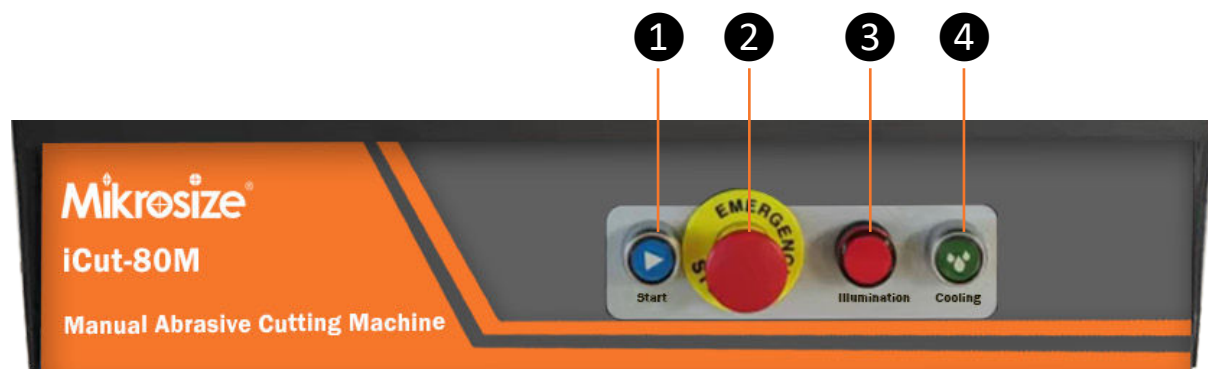
3. Protective Housing

4. Light

5. Coolant Spray Port

6. Cut-Off Wheel

7. Clamp



1. Start Button

2. Emergency Stop Button

3. Lighting Button: Press This Button To Turn On Or Off The Light

4. Cooling Button: Press This Button To Turn On Or Off The Coolant Flow

Product Details



1. Closed-Door Detection

2. Switch

3. Protective Housing Support Rod



1. Inlet Pipe Port

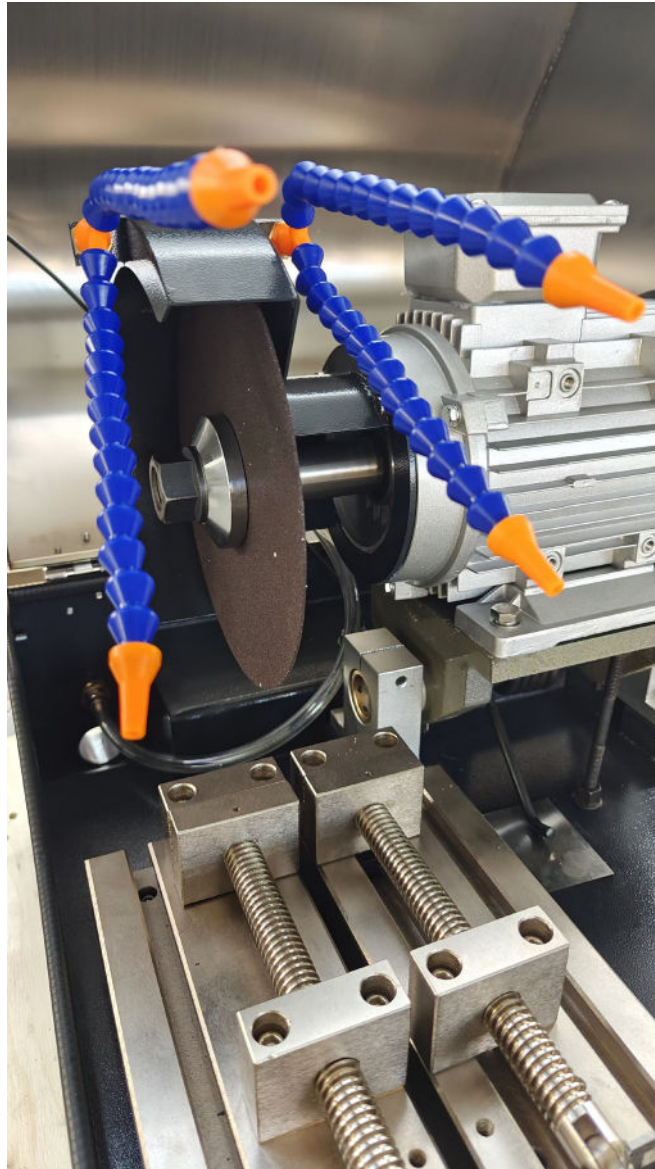
2. Outlet Pipe Port

3. Water Pump Port

4. Power Cord

Product Details

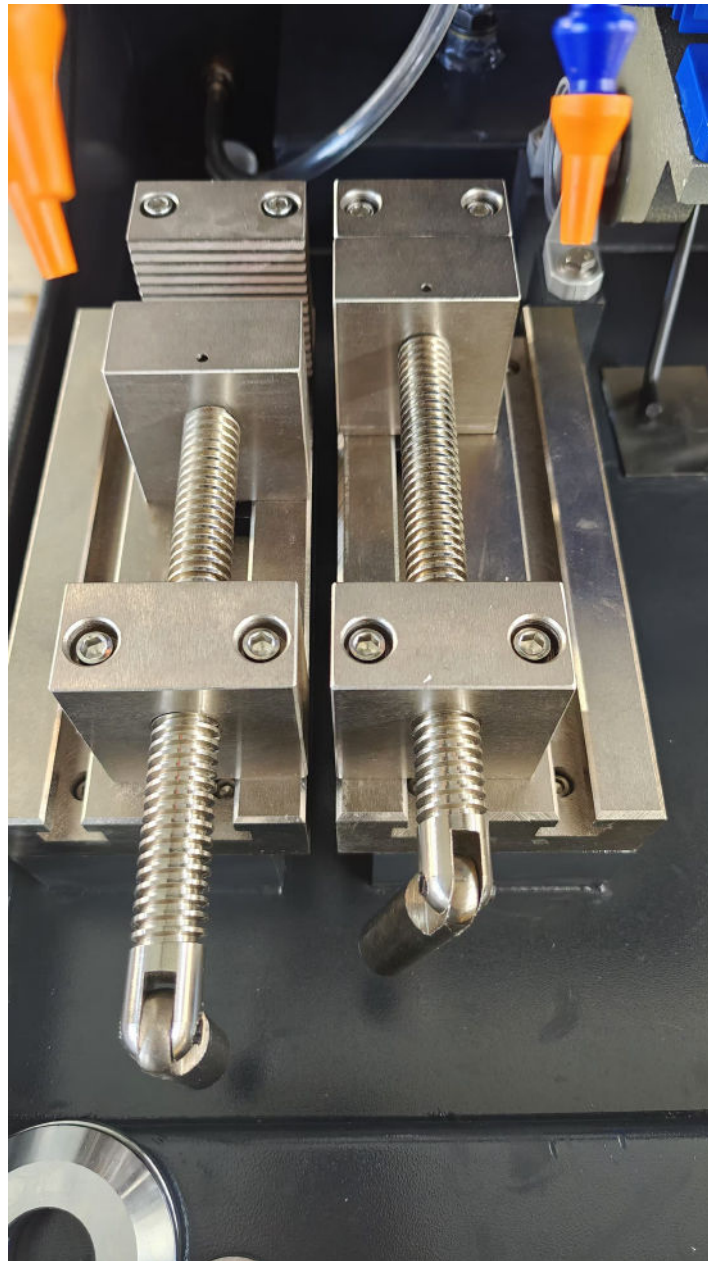
Cut-off Wheel



- This machine adopts a large-size grinding wheel cutting disc, which has high hardness and good wear resistance. It can process the workpiece with high precision and high quality. It can be applied to most metal materials, and the air cooling effect of the grinding wheel cutting disc can significantly avoid work. The phenomenon of surface heating and burning.
- Equipped with multiple coolant nozzles around it, on the one hand it can significantly reduce the cutting temperature and prevent the workpiece from being deformed by heat, and on the other hand it can promptly remove the waste generated by cutting.

Product Details

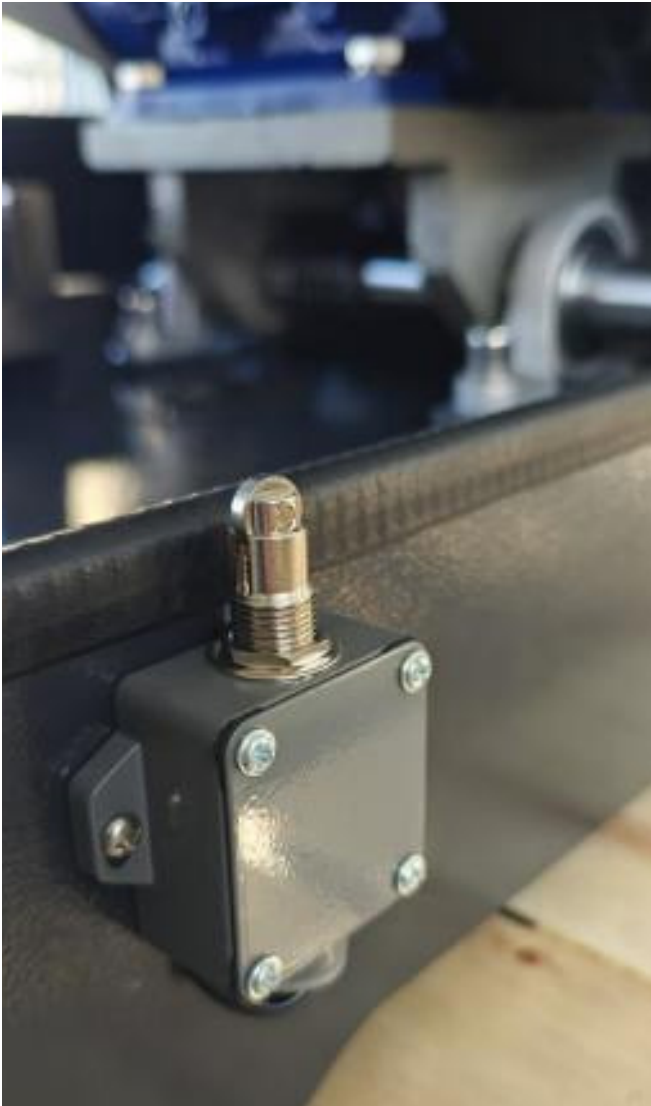
Clamp



- This equipment uses a double-sided clamp with threads that can be tightened to clamp the sample. It has a simple structure, is easy to use, and can clamp tightly.

Product Details

Closed-door Detection



- This equipment uses a double-sided clamp with threads that can be tightened to clamp the sample. It has a simple structure, is easy to use, and can clamp tightly.

Product Details

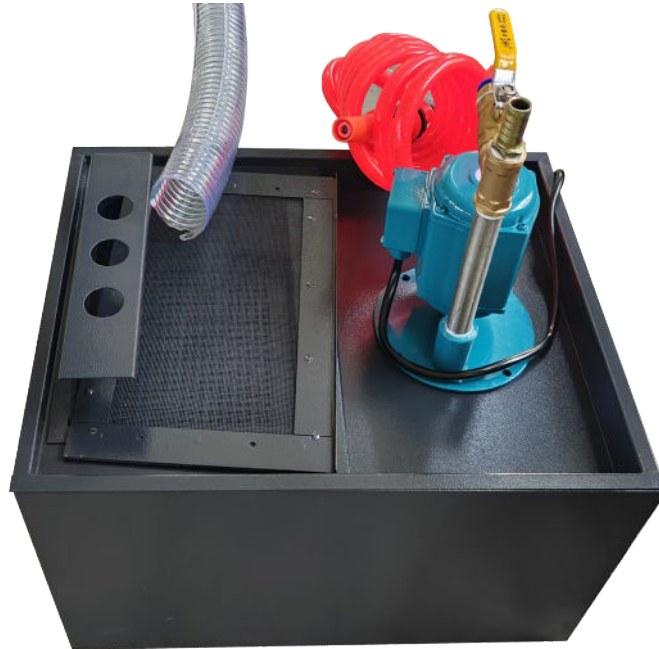
Lighting



- LED lighting is installed in the cutting room, which can effectively illuminate the entire area of the cutting room; it increases the brightness and clarity in the studio, and the transparent observation window on the protective door can clearly see the situation in the cutting room.

Product Details

Lighting



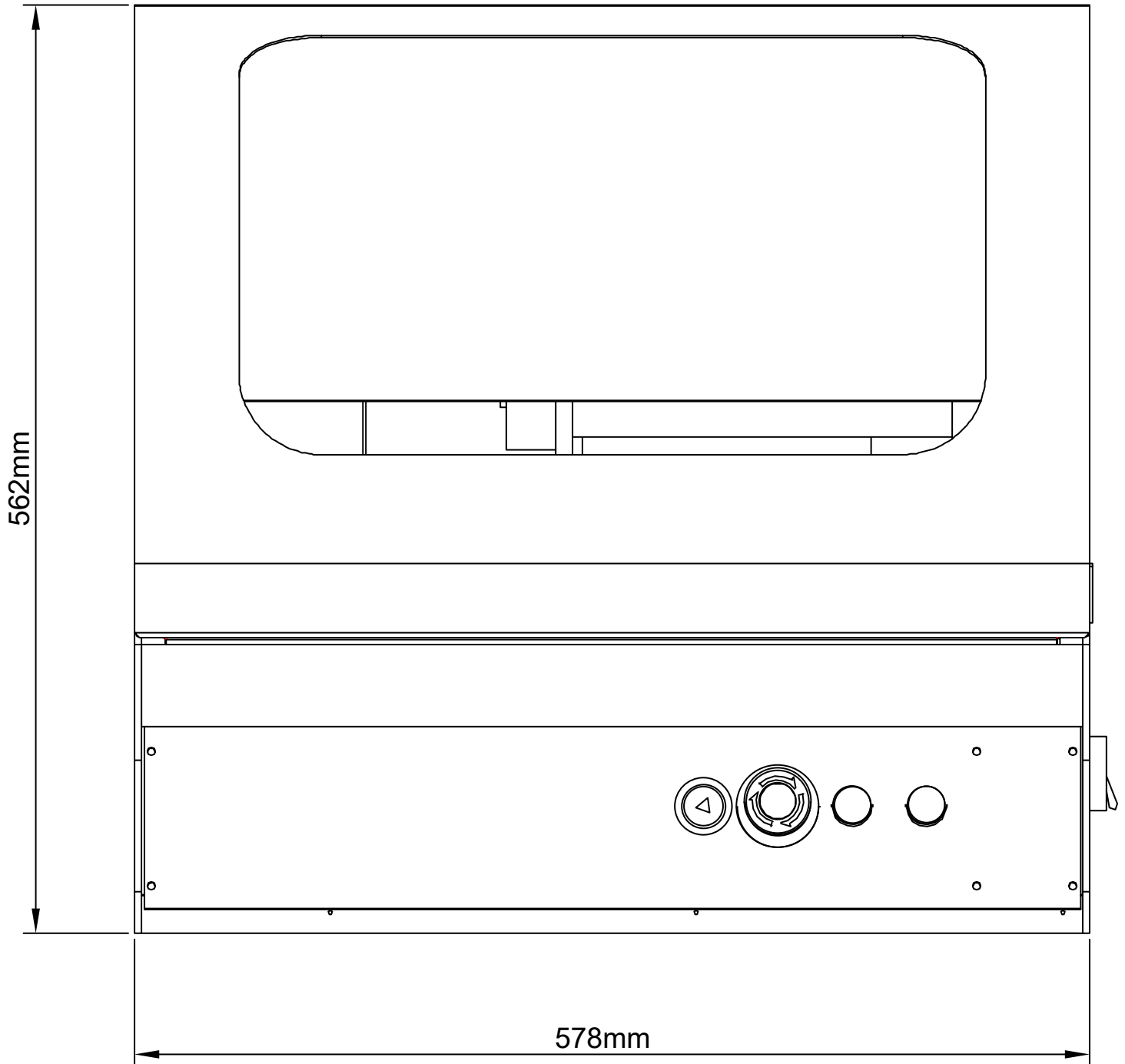
Water Tank



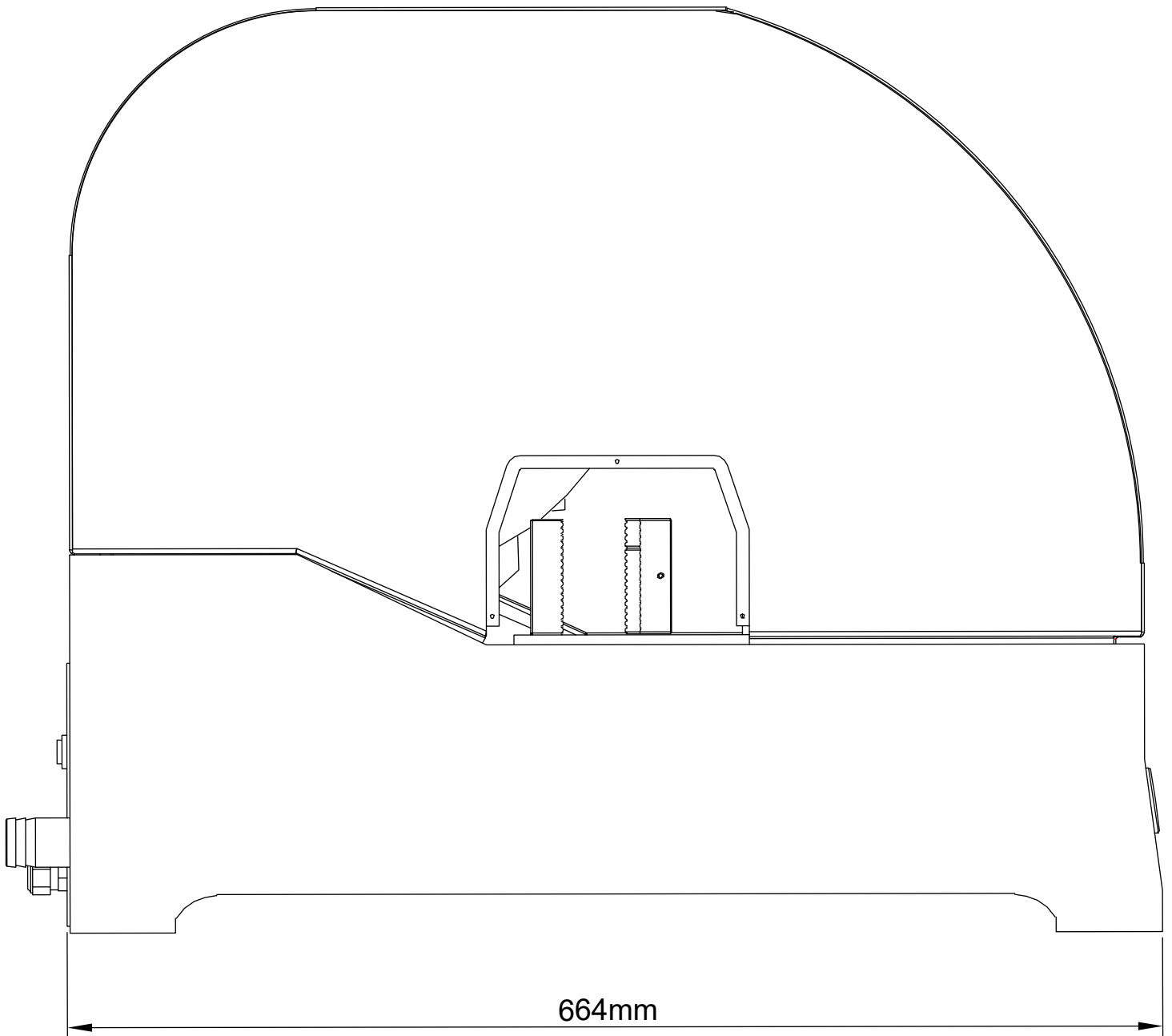
High Pressure Nozzle

- Equipped with a large-capacity water tank and water pump. The water tank has a filter to separate the waste generated by cutting, and is also equipped with a pressure water nozzle to facilitate users to clean the cutting chamber.

Instrument Dimension



Instrument Dimension



Technical Specification

Product Name	Metallographic Abrasive Cutting Machine	
Model	iCut-80M	iCut-100M
Cutting Capacity	80mm	100mm
Spindle Speed	2800rpm	
Power	3kw	
Input Voltage	Three phase 380V 50HZ	
Cut-off Wheel	250*2*32mm	300*2*32mm
Machine Dimension	650*715*545mm	680*800*631mm
Net Weight	117kg	135kg

Standard Delivery

Name	Qty	Photo
Machine Mainframe	1set	
Water Tank (including pump)	1pc	
Cut-off Wheel(250*2*32mm)	2pcs	
Pipe Clamp(30mm)	2pcs	
Wrench(36mm)	1pc	/

Standard Delivery

Name	Qty	Photo
Wrench(30-32mm)	1pc	/
Inlet Pipe	1pc	/
Outlet Pipe	1pc	/
Instruction Manual	1copy	
Product Certificate	1copy	
Warranty Card	1copy	