

### Precision Non-Deformation Metallographical Cutting Machine with Cooling System

iCut-865 cutting machine is suitable for metal, electronic components, crystal, hard alloy, rock, ore, concrete, organic material, biological material (tooth, bone) and other materials.

The equipment set high precision location and have large speed range. Cutting ability is strong and has strong cooling system. it can preset feed speed and menu control with LCD.

It is easy to control, automatic cutting can reduce operator's fatigue to ensure the consistency of the specimen. Therefore, it is an ideal equipment for the industrial and mining enterprises and the scientific research institute.

#### Technical Parameters:

Model	iCut-865
Feed speed	0-1.5mm/s
Wheel speed	1950rpm
Input voltage	AC380V/50HZ/3Ph
Maximum stroke	Z 50mm, Y 200mm, X 50mm
Cutting wheel size	Φ200mm x1mm x32mm
Motor	1.8KW
Dimension	1000x1035x1200mm
Net weight	210kg



### Abrasive Cutting Machine with Capacity 65mm for Unequal Metallographical Specimen

iCut-862 is suitable for cutting the cylinder and irregular metallographic specimens, it covers double shell in enclosed structure so as to guarantee absolute security under the sample cutting.

iCut-862 has strong cooling system so as to take away the heat produced during the cutting. When cutting, we can arbitrarily rotate the angle, avoiding the burns on the surface of the sample.

Meanwhile it increases the cutting section to improve the utilization rate of the cutting disc. It is easy to use for users, to be an ideal equipment for factories, scientific research institution and colleges and universities laboratory.

#### Technical Parameters:

Model	iCut-862
Input voltage	AC380V/50HZ/3Ph
Wheel speed	2800rpm
Cutting wheel size	250x2x32mm
MAX cutting diameter	65mm
Motor	1.6KW
Dimension	990x610x1300mm
Net weight	230kg



### Manual Metallographical Cutting Machine with Rotatable Clamp and Cabinet

iCut-863 is suitable for cutting the cylinder and irregular metallographic specimens, it covers double shell in enclosed structure so as to guarantee absolute security under the sample cutting.

iCut-863 has strong cooling system so as to take away the heat produced during the cutting. When cutting, we can arbitrarily rotate the angle, avoiding the burns on the surface of the sample.

Meanwhile it increases the cutting section to improve the utilization rate of the cutting disc. It is easy to use for users, to be an ideal equipment for factories, scientific research institution and colleges and universities laboratory.

#### Technical Parameters:

Model	iCut-863
Input voltage	AC380V/50HZ/3Ph
Wheel speed	2800rpm
Cutting wheel size	Φ250x2x32mm
MAX cutting diameter	Φ65mm
Motor	1.6KW
Dimension	990x610x1300mm
Net weight	230kg



### Manual Metallographical Cutting Machine with Max Section Diameter 110mm

iCut-856 Manual cutting machine is designed and manufactured according to the European health and safety standards. The machine consists of controlling system, cutting systems, lighting system, cooling system and cleaning system.

Super cooling system can make work-piece avoid heating to damage micro structure during cutting. Key components like switch and safety device apply famous brand.

#### Technical Parameters:

Model	iCut-856
Input voltage	380V 50HZ
Cutting wheel size	Φ350x2.5x32mm
Motor	4.8KW
Working table size	400x320mm
Dimension	750x1050x1660mm
Net weight	400kg



### Manual and Automatic Cutting Machine with Max Section Diameter 100mm

iCut-859 Manual and Automatic Cutting machine is suitable for cutting precision various materials with strong ability, high reliability, and easy operation.

The machine consists of machine body, electrical control tank, super cutting room, and cooling system, supporting more economical and convenient cutting modes, meanwhile user can define speed and track.

iCut-859 has the features of self-test, security, running tips in order to improve the quality of cutting sample. It is one of the necessary equipment in laboratory of colleges, research institutes and factories.

#### Technical Parameters:

Model	iCut-859
Input voltage	380V 50HZ
Motor	3.3KW
Spindle rotation	2200r/min
MAX cutting diameter	Φ100mm
Cutting wheel size	Φ350x2.5x32mm
Max moving travel	145mm
Max working table travel	300mm
Dimension	900x860x620mm
Net weight	272kg



### Programmable Automatic Metallographic Cutting Machine with Section Diameter 160mm

iCut-861 is a large vertical metallographic cutting machine on the basis of the safety, environmental protection principle, suitable for cutting various metals, non metal samples, in order to observe the micro structure.

iCut-861 composed of a cutting system, cooling system, lighting system, cleaning system, etc. The upper equipment is fully covered by the protective cover. There is a large observation window in front of the protective cover with high brightness illumination system.

The cast iron table with a groove can cut all kinds of special-shaped workpiece. The strong cooling system does not burn the workpiece. The cooling water tank is placed inside the equipment has a magnetic separator, which is easy to collect the scraps.

#### Technical Parameters:

Model	iCut-861
Cutting pattern	chop-cutting,pulse cutting and
cutting speed	0.005-1mm/s
Spindle rotation	200-2200rpm
Maximum stroke	X axis-240mm,Y axis-200mm,Z
Cutting room size	680mm*1030mm
MAX cutting diameter	Φ160mm
Input voltage	AC380V/50HZ/3Ph
Motor:	8.5KW
Dimension	1590x1600x1940mm
Net weight	900kg



### Max Section 60mm Manual Metallographic Abrasive Sample Cutting Machine

iCut-852 sample cutting machine is suitable for cutting various metal, non metal materials in order to observe the metallographic, and petrographic structure.

iCut-852 has a cooling device, when using the configured cooling liquid, the heat may be taken away to avoid overheating.

**Technical Parameters:**

Model	iCut-852
Input voltage	380V 50HZ
Motor	2.4KW
Spindle rotation	2800rpm
MAX cutting diameter	Φ60mm
Cutting wheel size	Φ250x1.5x25.4mm
Dimension	740x620x450mm
Net weight	82kg



### Manual and Automatic Metallographic Cutting Machine with Separate Controller

iCut-860 is a large automatic/manual metallographic cutting machine, which adopts Siemens PLC, high reliability, and strong controlling ability.

iCut-860 has touch-screen in the human-computer interaction aspects and has high precision stepper motor.

It is suitable for cutting various metal, non-metallic materials, in order to observe the material metallographic, core organization.

**Technical Parameters:**

Model	iCut-860
Cutting pattern	chop-cutting, pulse cutting
Maximum movement	200mm
Feed speed in Y axis	0.001-1mm/s
MAX cutting diameter	Φ110mm
Motor	5KW
Input voltage	380V 50HZ
Dimension	1420mm x1040mm x1680mm
Net weight	500kg

