

# TMTECK

## Metallurgical Cutting Machine



## Q-2 Metallographic Specimen Cutting Machine



Metallographic specimen cutting machine is suitable for cutting general metallographic specimens. The cutting machine cut the samples by the high-speed rotating sheets. To avoid the specimen being overheating, the machine is equipped with a cooling system used to take away the heat generated during cutting. The machine has easy operation, easy maintenance, and other advantages.

### **Technical Parameters:**

Power supply: 380V,50Hz

Speed: 2800r/min

Specification of grinding wheel: 250\*2\*32mm

Max cutting section:  $\Phi$ 30mm

Cutting power: 1.1kw

Net weight: 50kg

Overall dimension: 395\*415\*360mm

## Q-100B Manual&Automatic Cutting Machine/automatic cutting machine



1. Various cutting data can be displayed on high definition backlight type LCD screen.
2. Manual cutting and automatic cutting means can be switched at will
3. Large cutting chamber, tempered glass observing window
4. Equipped with 60L cooling liquid water tank.
5. Non-burning loss swing type cutting means that improved the cutting quality
6. Automatic withdraw function after cutting is finished
7. Bidirectional feeding means increase the length of deep cutting
8. Power supply : Three phase four line(380V/50HZ)
9. Spindle speed : 2100r/min
10. Cutting discspecification :  $\Phi 350\text{mm} \times 2.5\text{mm} \times 32\text{mm}$
11. MAX cutting diameter : 100mm
12. Maximum cutting volume:100×200mm
13. Electric machinery:YS90L2-2 3KW
14. Cutting table size:310×280mm
15. Dimension :930×700×610mm

### Specification:

Diameter of working disc	203mm (250mm can be customized)
Rotating Speed of working disc	300/600 rpm(two-level constant speed)
Working Voltage	380V/50Hz
Diameter of Abrasive Paper	$\phi 200\text{mm}$ (250mm can be customized)
Motor	Yc713, 550W
Dimension	700*600*270mm
Weight	45KG

## Model TMSQ-60 Metallographic Specimen Cutting Machine



Model TMSQ-60 Metallographic Specimen Cutting Machine can be used to cut the general metallographic or petrographic specimen materials. To enable the machine to cut the best specimen in a safe state, this kind of machine is equipped with fully enclosed structure and fast clamping mechanism, and there is also a cooling tank for coolant recycling, in order to clear up the heat produced during cutting and avoid the metallographic or petrographic structure deforming of specimen because of heating influence. This machine features easy operation and reliable safety. It is the best instrument for specimen preparing and cutting.

### **Technical specifications:**

1. Max. cutting section:  $\Phi 60\text{mm}$
2. Rotate Speed: 2800rpm
3. Abrasive wheel: 250×2×32mm
4. Electric motor: 2.2KW 380V, 50Hz
5. Dimensions : 730×700×540mm

## Model SQ-80 Metallographic Specimen Cutting Machine



Model SQ-80 Metallographic Specimen Cutting Machine can be used to cut various metal and non-metal materials so as to get specimen and observe the metallographic or petrographic structure. The equipped cooling system can clear up the heat produced during cutting so that it will avoid the metallographic or petrographic structure deforming of specimen because of heating influence. This machine features easy operation and reliable safety. It is the necessary specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

### **Technical specifications:**

1. Power: Three-phase four-wire (380V 50Hz)
2. Rotate Speed: 2800rpm
3. Abrasive wheel: 250×1.2×32mm
4. Max. cutting diameter: 80mm
5. Electric motor: Y2-100I-2 3.0KW

## Model SQ-100 Metallographic Specimen Cutting Machine



Model SQ-100 Metallographic Specimen Cutting Machine can be used to cut various metal and non-metal materials so as to get specimen and observe the metallographic or petrographic structure. The equipped cooling system can clear up the heat produced during cutting so that it will avoid the metallographic or petrographic structure deforming of specimen because of heating influence. This machine features easy operation and reliable safety. It is the necessary specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

### Technical specifications:

1. Power: Three-phase four-wire (380V 50Hz)
2. Rotate Speed: 2800rpm
3. Abrasive wheel: 250×1.2×32mm
4. Max. cutting diameter: 100mm
5. Electric motor: Y2-100I-2 3.0KW