

Technical Specifications

Model: **Daimo-100E Precision Diamond Cutter**

User Preparation

Space	0.6m x 0.6m x 0.6m(W x D x H) or more for Table
Electricity	Single Phase, 220V, 2A, (Consent with 2M user preparation)
Coolant	N/A
Remark	Aisle or Space for Product's Free Move

Daimo-100E Precision Diamond Cutter

Daimo-100E is a diamond precision cutter for all material. A thermal damage does not proceed from a specimen surface, and the core feature has improved fine cutting. It is possible to cut with low speed and can cut long specimen by open the cover.

The brush on the Diamond Wheel rotating part keeps your machine clean.

Feature

- Power S/W, Start S/W, Stop S/W, Speed adjust knob.
- Control cutting location with 0.05mm accuracy.
- Automatic experiment stops after a specimen cut-off completion.
- Acrylic cover prevents coolant oil spread out.
- Wheel Brush keeps clean Cutting wheel.
- Low Failure Rate by Simple Structure.

1. Specification

- Dimension: 440mmW x 410mmD x 370mmH
- Power: 220V, Single Phase, 60Hz, 2A
- Motor: 180W AC blushed motor & Speed controller
- Wheel size (Arbor): 4, 5, 6, 7 inch (12.7mm, 1/2")
- Wheel speed: 0 ~ 850 RPM
- Acrylic cover

- Cover Open Detecting Sensor
- Available Size of Specimen Cut-off
 - D: 30φ(Case of 5" wheel),
 - L: Over 100mm available when Cover Open
- Cut-off thickness control by unit step 0.05mm. Max. 25mm (Micro meter head installed)
- Specimen Grip: V Notch Grip
- Oil tank: 0.8 Liter
 - Using Rust Preventing Oil as Coolant Oil
 - Filter
 - Brush
 - Front Open Drawer Type Oil Bath
- Gravity Cut-off by Weight

Service and Remark

- 1 Year Warranty after Installation
- Operation Manual 1 set
- Onsite Installation and Education at Shipping Place
- Provide Spanner for Wheel replacement, Pin for fix
- Provide 1 Wrench for Specimen Installation
- Cutting Oil 0.5 Liter/btl
- User Order Selection: Diamond Wheel

Option Part

1. Low Capacity Weight (200g)

- Material: S45C, Chrome Plating
- Weight 200g

2. High Capacity Weight(800g)

- Material: S45C, Chrome Plating
- Weight 800g

