



MODEL METACUT-6000
METALLOGRAPHIC SPECIMEN PRECISE CUTTING MACHINE

Model METACUT-6000 precise cutting machine is very suitable for non-deforming cutting to the materials such as metal, electronic part, ceramic, crystal, hard alloy, lithofacies sample, mineral sample, concrete, organic material, biological materials etc. This machine can use diamond cutting disc or resin cutting disc, it features wide application, high cutting accuracy, powerful cutting ability and wide speed adjusting range. It is an ideal option for the lab of factories, science and research institutions and universities.

Features:

- Equipped with re-circulating & cooling system
- The feeding speed can be preset (0-180mm/min)
- Menu operation, Large touch screen LCD display of various data
- Wide cutting chamber and work table, long cutting distance
- There are 9 kinds of fixed cutting methods. One cutting method can be defined by customer freely.
- Ultra-large and closed cutting chamber with safety switch

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Technical specifications

Maximum cutting diameter: $\Phi 60\text{mm}$

Main shaft rotating speed: 300~6000rpm adjustable (1 rpm increment)

Cutting disc diameters: 200*1*32mm (100mm, 125mm, 150mm optional)

Feeding speed: 0~3mm/s (0.01mm/s increment)

Z-axis manual feeding speed: 0~15mm/s

Withdraw speed of impact cutting: 0~15mm/s

Forward distance of impact cutting: 0.1~2mm

Withdraw distance of impact cutting: 0~1.99mm

Maximum cutting travel: Y-axis 220mm, Z-axis 25mm

Maximum clamping length of work table: 150mm

Maximum clamping width of work table: 200mm

Servo motor power: 1800 W

Power supply: single phase, 220V, 50Hz

Net weight: 130Kg

Overall dimension: 810 × 700 × 600mm (L × W × H)



