

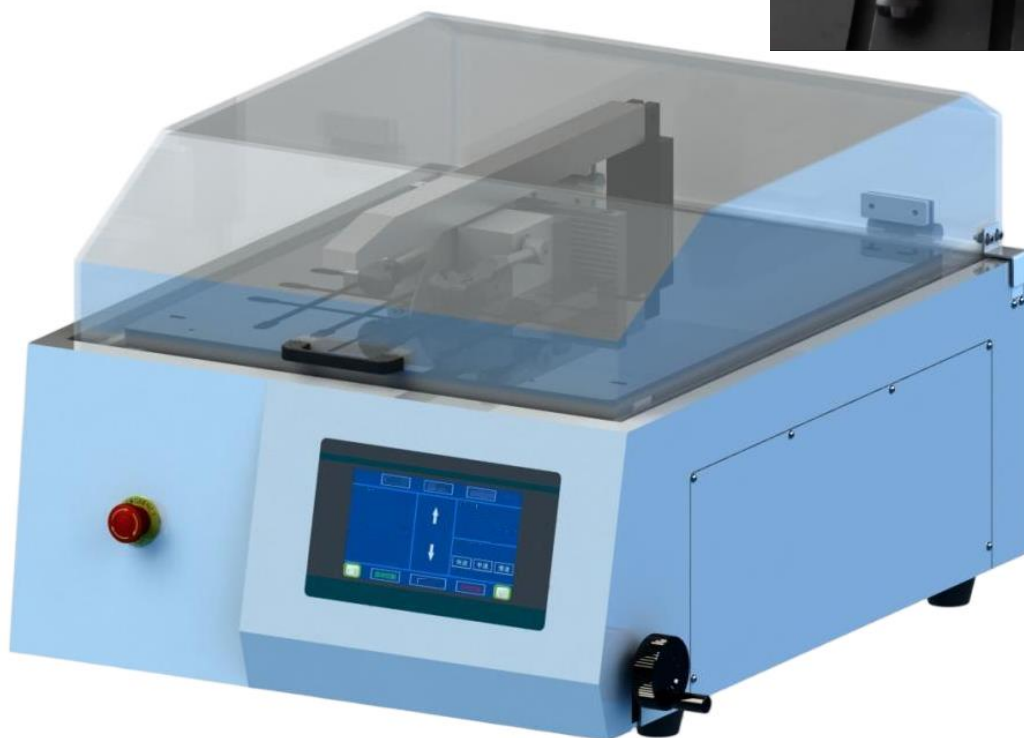
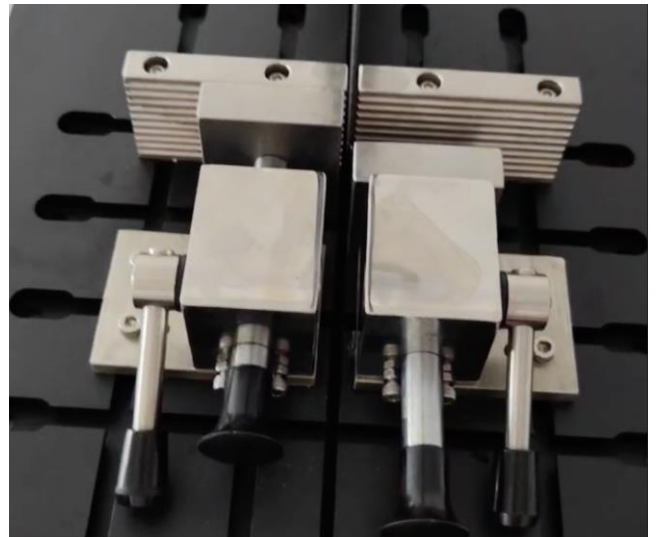


BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

METALLOGRAPHIC SAMPLE PRECISION CUTTING MACHINE

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



BCM-250F

**DESCRIPTION:**

BCM-250F the precision flatbed cutting machine uses a touch screen and PLC control, with stable performance and real-time display of cutting parameters. It features automatic Y-axis feed cutting, high positioning accuracy, a wide speed adjustment range, and strong cutting capabilities. The cutting chamber adopts a fully enclosed structure, with a transparent protective cover for observation during cutting. Equipped with a circulating cooling system, the surface of the cut specimen is bright, flat, and burn-free. It is particularly suitable for precision cutting of materials such as PCB boards, electronic components, ceramic materials, crystals, carbide, rocks, concrete, organic materials, and biological materials (teeth, bones), making it an ideal choice for desktop automatic precision cutting.

FEATURES:

- The automatic cutting machine is controlled by PLC and touch screen, with very high reliability and powerful control capability.
- The machine is equipped with a fully enclosed structure, operation is very safe.
- The machine uses a high-torque, high-power servo motor and an infinitely variable speed control system for high and stable working efficiency.
- With a large, transparent cutting chamber for visual observation of the cutting process and ease of use, this is a high quality precision cutting machine suitable for research institutes and companies.
- Touch screen programmable control, with automatic cutting function to reduce operator fatigue and ensure consistent specimen cutting.

TECHNICAL SPECIFICATION:

Model No.	BCM-250F
Cutting Wheel Size	φ250xφ2x32mm; φ200xφ0.9x32mm
Maximum Cutting Diameter	60mm
Cutting Mode	straight line cutting by Y axis & pulse cutting & Manual cutting
Control & Display	Touch screen
The Maximum Movement of The Table in Y Axis	240mm
Rotation Speed	500-3000r/min
Blade Cutting Speed	0.01-600mm/min (adjust step: 0.01mm)
Longitudinal Clamping Length	110mm
Horizontal Clamping Length	450mm
Cutting Table Size	450*530mm
Sample Fixture	SUS304 fast fixture
Motor Power	1000W
Voltage	220V, 50Hz, Single-phase
Machine Dimension / Weight	620×730×420mm; 80kg

**STANDARD ACCESSORIES:**

Item Name	Q'ty	Item Name	Q'ty
BCM-250F Precision Cutting Machine	1 pc	Hexagonal Spanner 4mm	1 pc
Diamond Cutting Wheel $\Phi 200 \times \phi 0.9 \times 32 \text{mm}$	1 pc	Hexagonal Spanner 5mm	1 pc
Abrasive Cutting Wheel $\Phi 250 \times \phi 2 \times 32 \text{mm}$	1 pc	Manual Book	1 pc
Wrench 19#-22#	2 pcs		

* Due to continuous product development, Image & specification can be upgrade.