



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

PRECISE SPECIMEN CUTTING MACHINE



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

BETACUT-5

**DESCRIPTION:**

Model BETACUT-5 Precise Cutting Machine can be used to cut non-metallic material, circuit board, semiconductor, super hard material etc. The cutting precision can reach 0.01mm. The machine is equipped with many jigs, which make it possible to cut samples with irregular shape. It is an ideal precise cutting machine for the scientific research institutes and industrial enterprises.

FEATURES:

- Closed transparent protective cover and emergency safety switch, which can provide protection for the operator and facilitate observation.
- Accurately fine regulating the feeding speed of the processed object through the gravity loading system to reduce sample damage.
- Closed loop control cutting to prevent overload from burning out motor, circuit, etc.
- When the sample cutting is completed, the cutting machine will stop automatically, which can realize unattended processing.
- Use ultra-thin cutting blades, such as 0.4mm thick diamond cutting blade, and the sample moves laterally with a precision of 0.01 mm, which can realize the precision cutting of the sample.
- 7 sets of different sample fixtures to meet the cutting requirements of different samples.
- Large size circuit board table cutting device (optional) is convenient for large-size sample preparation and cutting of sheet materials, circuit boards, glass, etc.
- Sintered diamond cutting blade is used to easily cut glass, circuit board, rock and other hard materials.

TECHNICAL SPECIFICATIONS:

Model No.	BETACUT-5
Cutting blade	Standard diamond cutting blade 150 x 0.43 x 12.7mm
Cutting positioning accuracy	0.01mm
Built in cooling device	Automatic circulating cooling of cutting fluid (the cutting blade drives water from water tank for circulating cooling)
Rotation speed of cutting blade	0~1650rpm adjustable
Motor Power	550W
Display	LED digital display
Emergency braking device	Emergency stop switch
Power Supply	AC 220V, 50Hz, Single phase
Dimensions	520 x 430 x 390 mm
Weight	33kg



STANDARD ACCESSORIES:

Items Name	QTY	Item Name	QTY
Single head jig	1	32mm inset sample jig	1
Double head jig	1	40mm inset sample jig	1
Irregular sample jig	1	Water drop jig	1
Long sample jig	1	Diamond cutting blade	1
Instruction Manual	1	Power Cord	1
Certificate	1	Packing list	1

OPTIONAL ACCESSORIES:

- Diamond cutting blade : 100mm (100 x 0.3 x 12.7mm)
125mm (125 x 0.38 x 12.7mm)
175mm (175 x 0.5 x 12.7mm)
- Flat platform cutting device : 180 x 160 x 20mm, suitable for cutting sheet, glass, electronic circuit board, etc.



* Due to continues product development, product image & Specifications are subject to change.
* Customization can be done as per user requirement.