



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

AUTOMATIC METALLOGRAPHIC SAMPLE GRINDING POLISHING MACHINE

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



BTQ-5T

**DESCRIPTION:**

Our **BANBROS BTQ-5T** Low speed specimen cutting machine is suitable for the high precise cutting of various materials. It is especially suitable for the precise cutting of small metal, non-metal pieces, electronic components. This Table top model can be equipped with diamond saw blade so as to meet the demands of cutting of various specimens. It is equipped with positioning limit switch which can also help to realize work piece processing without being watched. It is the ideal metallographic specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

FEATURES:

- Provision to accommodate of different vice.
- Microchip technology operating system.
- Micrometer for cross-feed adjustment of 0-25 mm.
- Stainless Steel/Aluminium constructed body for corrosion resistant.
- Availability of an automatic limit switch, cut-off switch and safety emergency switch.
- Gravity feed system minimizing deformation of delicate parts.
- Programmable PLC touch screen with human-machine interface for trouble free operation
- Touchpad to set RPM and ON/OFF.
- Horizontal feed position.
- Detachable built-in re-circulation stainless steel coolant tray for easy cleaning and replacement of coolant
- Transparent coolant splash Guard
- Diamond cutting blade runs through the coolant to avoid heating of the sample.
- Low noise level suitable to trouble free operation.

TECHNICAL SPECIFICATION:

Model No.	BTQ-5T
Diameter of wheel (diamond)	4" inch above 60 HRC
Arbor size	12.7 mm
Cutting capacity	Ø20mm
Rotating speed of wheel	100-400 rpm adjustable
Sample positioning & accuracy	± 0.01mm Specimen drive arrangement with accuracy not exceeding 10 microns Stainless steel high exactness axle arrangement of 10-20 microns
Speed display	Digital RPM meter
Down fed facility with different weight	Up to 400gm
Motor	1 HP
Power source	210-230V AC, Single phase 50HZ (1+N+E)

* Due to continues product development, product image & Specifications are subject to change

* Customization can be done as per user requirement.