



**BANBROS ENGINEERING PVT. LTD.**

The Precision Measurement People

# METALLOGRAPHIC AUTOMATIC HIGH SPEED PRECISION CUT-OFF MACHINE

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



**BC-50A**

**DESCRIPTION:**

**BANBROS Model BC-50A** Metallographic Specimen Precise Cutting Machine is very suitable for precise cutting of various metallographic hard samples. This machine can be equipped with diamond saw blade and other resin blade so as to meet the demands of cutting of various specimens. It features wide application, high cutting accuracy, powerful cutting ability and variable speed adjusting range. It is the necessary specimen preparing instrument for using in factories, scientific research institutes, laboratories and colleges etc.

**APPLICATION & FEATURES:**

- Built-in re-circulating cooling system with flexible and adjustable hoses.
- Easy operation and reliable safety, no programming need to be done.
- Touch screen panel for operation.
- Variable speed, automatic feed and feed rate.
- Motorized positioning system.
- Suitable to cut of various type of samples like metals, ceramics, composite materials, sintered carbides, crystals, thermal spray coatings, etc. precisely and without any deformation.
- All major parameters can easily monitored on touch screen panel.
- Automatic motorized cutting Action by Y movement.
- Intelligent feed control for Over Load of the sample.
- Pulse cutting to reduce heat of the hard material specimen.
- Movable cutting large T-slot SS bed free from corrosion.
- Horizontal X-movement facility up to 50mm available with automatic mode.
- 40mm height adjustment of cut-off wheels is available in vertical direction that can be set through graphical touch screen.
- Possible to pre-set the cutting length from 0 to maximum in steps of 1 mm.
- Precise positioning of the job in steps of 0.5mm.
- Closed cutting chamber with safety switch.
- Illumination through water proof LED.
- Availability of emergency stop switch with safety door interlocking system.

**TECHNICAL SPECIFICATIONS:**

Model No.	BC-50A
Mode of cutting	Automatic
Cutting capacity	50 mm
Rotating speed adjustment	Variable 500-5000mm
Wheel compatibility of size	100(4") -200mm (8")
Motor	2 HP
Power supply	230V, 50HZ, Single phase, AC

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

\* Customization can be done as per user requirement.