



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

METALLOGRAPHIC SPECIMEN CUT-OFF MACHINE

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



ACO-150AM

**DESCRIPTION:**

Our **ACO-150AM** Metallographic specimen cutting machine can be used to cut various metal and non-metal materials so as to get specimen and observe the metallographic or lithofacies structure.

It has cooling system so as to clear up the heat produced during cutting and avoid to burn the metallographic or lithofacies structure of specimen because of heat. This machine features easy operation and reliable safety. It is the necessary specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

FEATURES:

- Large viewing window to monitor the cutting operation.
- Inside chamber is illuminated and see-through hood is provided for monitoring the cutting operation.
- Coolant circulation is provided with suitable filtering arrangement.
- Emergency stop switch with door limit switch.
- Door safety interlock.
- Side opening for longer component.
- Easy operator panel.
- Motorized oscillation is provided for smooth cutting.

TECHNICAL SPECIFICATIONS:

Model No.	ACO-150AM
Operation	Manually by moving motor to the sample. Also, sample can be moved by lead screw
Cutting Action	By manual cut-off wheel arcs down
Cutting Capacity (max.)	150 mm
Cut-Off Wheel Size (max.)	400mm OD x 2.5mm thick x 25.4mm ID
Cutting Motor Power	7.5 H.P. 2800 rpm, 3 Phase, 415 Volts, 50Hz
Spindle Speed	2800 RPM
Coolant Motor Pump	0.1HP (Bharat Bijlee)
Cooling Action	Cooling by three high flow water jets to provide optimum cooling
Coolant Tank	Recirculation pump & coolant tank, re-circulation coolant tank
Coolant Tank Capacity	100 Ltr.
XY Stage Movement	Manual
Clamping	T SLOT bed & vice 6" to hold irregular objects, gears, shafts (dia. 30- 150 mm, length upto 100 mm), vertical cut of shafts must be feasible, strong grip, easy to clamp
Oscillation	Oscillation is provided for smooth cutting
Fluorescent Light	Fluorescent waterproof light in the working area provides safe and clear illumination
Dust Particle Collector Tank	Through magnetic separator
Safety Feature	Safety interlocking door switch
Weight	320 Kg. (approx.)
Dimensions (W X D X H) mm	900x 1000 x1750mm
Additional Accessories	Clamping vice,, tool kit for vice adjustment

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

***Customization can be done as per user requirement.**