



**BANBROS ENGINEERING PVT. LTD.**

The Precision Measurement People

# METALLOGRAPHIC SPECIMEN CUT-OFF MACHINE

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



**ACO-150A**

**DESCRIPTION:**

Our **ACO-150A** 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.
- Oscillation: Oscillation is provided for smooth cutting.

**TECHNICAL SPECIFICATIONS:**

|                            |  |
|----------------------------|--|
| <b>Model No.</b>           | <b>ACO-150A</b>  |
| <b>Operation</b>           | Manual   |
| <b>Cutting action</b>      | Oscillation is Provided For Smooth Cutting.                            |
| <b>Cutting capacity</b>    | 150mm  |
| <b>Cut-off wheel size</b>  | 16" (400mm)  |
| <b>Cutting motor power</b> | 5 HP or 7.5HP (As per customer requirement)<br>3 Phase 415 Volts, 50Hz |
| <b>Abrasive wheel RPM</b>  | 2400 RPM Approx.   |
| <b>Spindle RPM</b>         | 2400 RPM approx.   |
| <b>Table movement</b>      | X- Axis – 100mm<br>Y- Axis – 120mm                                     |
| <b>Coolant motor power</b> | 0.1 HP – 3 Phase   |
| <b>Coolant tank</b>        | 50Ltr. Recirculating Coolant tank inbuilt                              |
| <b>Vice</b>                | Self-Centring 360 rotation opening 6" jaw                              |
| <b>Safety feature</b>      | Emergency Stop Switch with Door limit Switch                           |
| <b>Dimensions</b>          | 650mm X 800mm X 1450mm   |
| <b>Weight</b>              | 250 Kg. (approx.)  |

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

\*Customization can be done as per user requirement.