

**SOMECO**

Abrasive Cut Off Machine

**Baincut UM**



Suitable for **Gears,**  
Medium sized  
**auto components**  
and **shafts.**

**Chennai Metco**

CMU002



## Baintcut Upper Medium

A sturdy floor model general purpose cutter. Large space in the cutting zone offers flexibility to use wide variety of fixtures. Cutting action possible by lowering the arm (Z movement ) and longitudinal table movement through cutting plane

(Y - movement). Additional side movement (X - movement) option is of advantage. Lockable Z movement wheel position offers extra convenience. Suitable for variety of applications including small gears, medium sized auto components and shafts.



# **SOMECD** Baincut Upper Medium

Sturdy floor model cutter for Metallographic sectioning

Metals, Ceramic and Mineral samples

**Cutting Capacity up to 80 mm Dia for standard steels**

Corrosion Resistant Cutting Chamber for a long product lifetime

5HP (3.7 k.w), 3 Phase Motor

Spindle speed 2800 rpm

**Cut-off wheel dia 12" (300 mm)**

Simple Control Panel with 4 Switches - Cutting, Coolant, LED light,  
Emergency Stop button with Door Safety Limit Switch

Cutting action : Y Movement (Longitudinal sectioning-Table)

X Movement : This helps to move the specimen and make parallel cut  
to get a slice

Ergonomic Cutting Handle

Splash proof, Corrosion Resistant see through hood

Four high flow coolant jets to provide optimum cooling

Large 65 mm Coolant drain

**Inbuilt movable recirculation coolant tank with (100 ltrs capacity)**

1/3 HP Coolant Recirculation Pump

Opening in the side wall for sectioning extra-long samples

Powerful LED light in the working area provides clear illumination

T Slot Bed: 260mm x 260 mm with 10mm T-Slot

Quick holding vise set

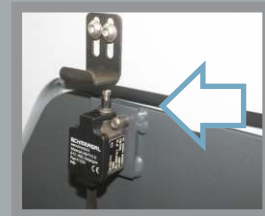
Voltage: 415V/50 Hz (R+Y+B+N+E)

Machine Size: 1140mm x 1020mm x 1440mm (LxDxH)

Machine Color: Enclosures RAL 7040, Base & Stand RAL 7016



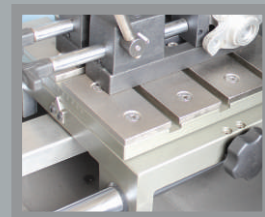
Door safety interlock



Door limit switch



"Z" Movement Stopper



T Slot Bed: 260mm x 260 mm



Opening for length components



Emergency Stop button

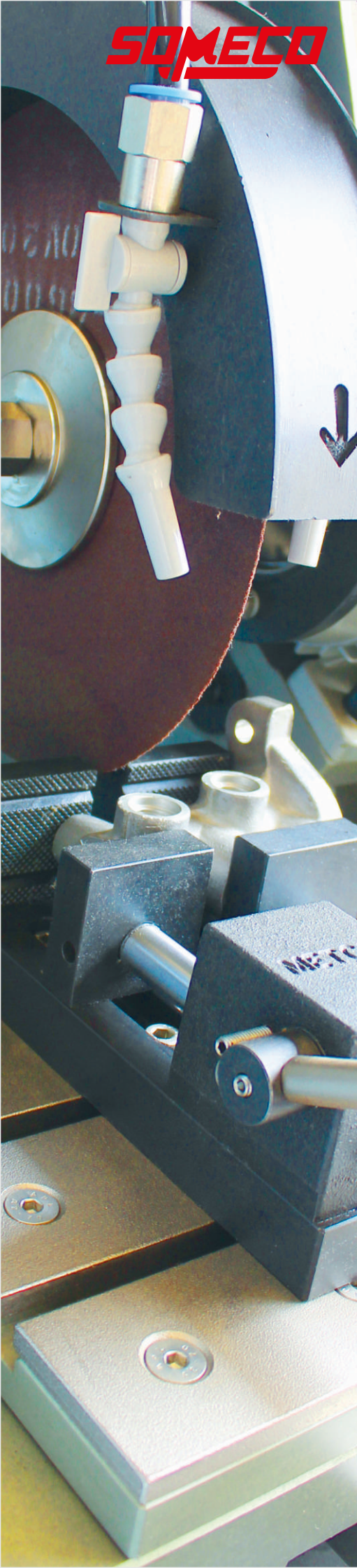


Wash Jet

## Coolant Tank



**Inbuilt movable  
recirculation  
coolant tank with  
(100 ltrs capacity)**



## Optional Accessories

Koppel Fixture (Indigenous)

Koppel Fixture (Imported)

Additional Fixture to hold irregular shaped components

Twin Cutting

To cut a slice at one stroke

Coolant spillage tray

It helps while cutting extra lengthy samples

Special Fixture

Fixture that can be designed specifically for your components

Electronic Braking System

Additional Safety Feature to stop the Motor and the cutting wheel immediately once the Cutting is stopped

Door Safety Inter Lock System

Additional Safety Feature where the Door cannot be opened unless the Cutting process is stopped

Auto Wash

To set the required time and leave the machine to clean automatically , so that you can save operator cleaning time.

Variable Speed System

Cutting Wheel RPM can be varied from 1000-3000 RPM

Loto Switch & Tag Out

During Maintenance and Break Downs the Loto Switch can be switched off and locked with the tag key. This prevents from switching on the machine by mistake and avoids damage

Phase Monitoring System

In the event of failure of one phase, this unit will stop the Machine and protects the motor from overheating and failure

