

METCUT

5

Precision Cut Off Machine
Low Speed Saw



MetLab
Corporation



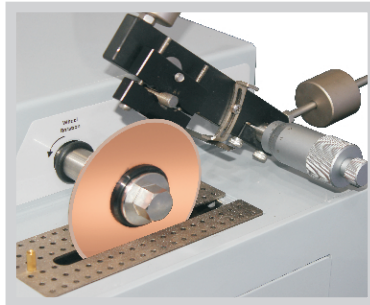
METCUT 5

Precision Cut Off Machine
Low Speed Saw

METCUT 5 Precision section saw is designed for slicing all types of materials with ease. The slow speed cutter is mostly used for accurate sectioning of very small, hard components for R & D.



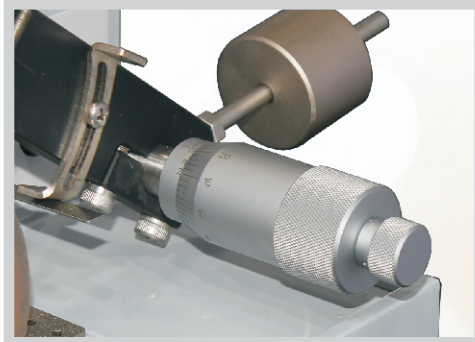
Touch screen



Micrometer for cross-feed adjustment



Easy movable Built-in Re-Circulation Coolant Tray



Automatic Cut-Off switch

- High Precision Table top machine
- Aluminium base and stainless steel construction door.
- The machine with a limit switch can work without a man
- Automatic Cut-Off switch
- Easy movable Built-in Re-Circulation stainless steel coolant tray.
- Transparent Coolant Splash Guard facility
- Color touch screen HMI
- Down-feed facility with variable weights up to 400 gram
- Emergency Stop for safety purpose
- Stainless steel high exactness axle arrangement of 10 to 20 microns
- Distinctive aluminium alloy with high strength and anti-corrosive coating
- Innovative microchip technology operator system
- Precision specimen drive arrangement with accuracy not exceeding 10 microns

- Low-Speed Precision cutter is applicable to accurate cutting of hard materials, especially to high-value fragile artificial crystal
- The Spindle has high accuracy of operation, the horizontal feed position of the processed work piece can slightly be adjusted, and the machine can be power-off automatically after cutting is finished

TECHNICAL SPECIFICATIONS

MODEL: METCUT 5

Wheel Size	5" (127mm)
Wheel type	Diamond cutoff wheel
Cutting Capacity	Upto 20 mm - 4" Wheel Upto 30 mm - 5" Wheel
Motor	Single phase stepper Motor (6.5N.n) Torque
Variable Speed	60- 600 RPM
Micrometer	
Cross feed adjustment	0-25 mm
Positioning Accuracy	0.01 mm
Arbor size	12.7 mm
Dimensions	15" X 13.5" X 15"
Weight	53 Lbs (24 kg)
Main	110V, 1Phase, 50/60 Hz
Colour	Enclosures Glaze Grey 615 Base RAL 7021

ACCESSORIES

GR 0400	Universal Specimen Vise
GR 0401	Specimen Vise with double parallel vice for long specimen
GR 0403	Specimen Vise for irregular shaped specimens
GR 0430	Specimen Vise (Teardrop shape) for specimens 18-40mm
GR 0431	Specimen Vise (Teardrop shape) for specimens 5-20mm
GR 0434	Specimen Vise for round and mounted specimen, up to 40mm



5F20S
5" LOW SPEED



M515C
5" CBN



M515H
5" HIGH CONCENTRATION
METAL BOND



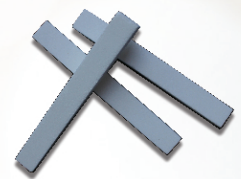
M515L
5" LOW CONCENTRATION
METAL BOND



CF-032



CF-128

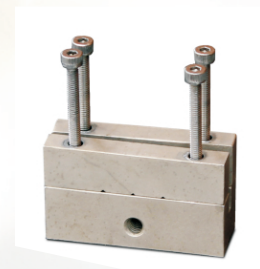
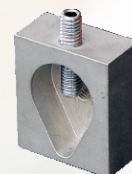
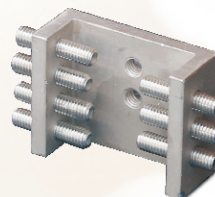
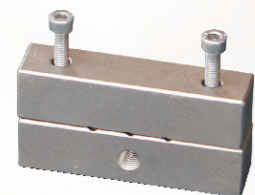


DS-1

CUTTING FLUID

DRESSING STICKS

Five kinds of (Accessories) fixtures enables the processed work piece to be sectioned at the optimal angle





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