

Micracut 200 High Speed Table Feed Precision Cut Off Machine



MICRACUT 200 is a microprocessor controlled high speed table feed precision cut off machine used for precise and deformation free cutting of materials found in any metallurgical, geological, electronic, research, biomedical or industrial laboratory. The cut surface is ready for microscopic examination with minimal polishing.

MICROCUT 200 is built on precisely manufactured heavy duty aluminium frame providing stable and vibration resistant base for precision components and linear bearings. The cutting compartment is fully enclosed. The transparent hood is equipped with interlocking safety switch. It has variable speed from 400 to 4000 rpm allowing both high speed and low speed cutting. A wide range of clamping tools can be used on the T-slotted moving table. Optional X-axis table with motorised drive mechanism positions the specimen with 2 micron accuracy. The height of the cut off wheel (Z axis) can be adjusted up to 45mm. Diamond, CBN and abrasive cut off wheels up to 200mm diameter can be used. Automatic feed rate and force can be adjusted on the front panel. Supplied without clamping tools or specimen vice.

Specification

- Cut of Wheel: Ø 200mm
- Cutting Capacity: 60mm
- Motor Power: 800W
- Positioning range, X axis: 50mm
- Positioning range, Y axis: 180mm
- Positioning accuracy, X axis: 2 micron
- Feed rate: 0.020 – 1.5 mm /sec
- Cutting speed: 400 – 4000 rpm
- Cutting method: Table-feed Linear
- Size: 62cm x 74cm x 44cm
- Weight: 90 kg
- Electrical: 220-1-50

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