

# Metallographic Cutting Machine



The EI-CM65 Metallographic Cutting Machine is a precision-engineered instrument designed for the efficient and precise interception of metallographic samples. It is engineered to prepare high-quality specimens without altering the material's microstructure, making it an indispensable tool for metallurgical education, failure analysis, and quality control across demanding industries such as automotive, aerospace, and mining.

Featuring a robust design with a large cutting capacity and advanced cooling, the EI-CM65 ensures optimal cutting quality and operator convenience for a wide range of materials.

## Features & Benefits

- **High-Capacity Cutting:** A large cutting space and a T-slot work table enable the machine to handle rectangle and thick specimens with ease, supporting a impressive cutting capacity of up to 65mm.
- **Versatile Specimen Clamping:** The dual separate vices provide exceptional flexibility, allowing operators to securely and conveniently clamp a wide variety of workpiece shapes and sizes.
- **Superior Cutting Quality:** The non-burning, swing-type cutting mechanism minimizes heat and deformation, thereby preserving the sample's original microstructure and ensuring a high-quality, burn-free cut every time.
- **Integrated Cooling System:** Equipped with a generous 65L coolant tank, the system effectively manages heat during the cutting process, which extends blade life and further protects sample integrity.
- **Safe & Observable Operation:** The large cutting chamber features a protective observing window, allowing for safe monitoring of the cutting process without compromising operator safety.

## Specification:

Model	EI-CM65
Max. Cutting Diameter	Ø65mm
Speed	2800rpm
Working Table	210 x 180mm
Vise Travel	X-Axis 50mm, Y-Axis 130mm
Cutting Feed	Manual
Cutting Disc	250 x 2 x 32mm
Water Pump And Coolant Container	Yes
Rate Voltage	415V, 50Hz
Rate Power	2200W
Dimension	720 x 600 x 1370mm
Weight	Approx. 150kg
Standard Accessories	Step-down Transformer Cutting Disc x 10pcs (Ø250) for Steel, Alu-alloy, Copper Coolant Fluids Tools Water hose

## Cutting Area:

