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.

Email: marketing@ecoinstrument.com.my Website: http://www.ecoinstrument.com.my

ECO INSTRUMENT (NS0081046-M)

Specification:

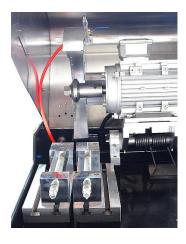
Model	EI-CM65
Max. Cutting Diameter	Ø65mm
Speed	2800rpm
Working Table	210 x180mm
Vise Travel	X-Axis 50mm, Y-Axis 130mm
Cutting Feed	Manual
Cutting Disc	250 x 2 x 32mm
Water Pump And Coolant Container	Yes
Rate Voltage	415V, 50Hz
Rate Power	2200W
Dimension	720 x 600 x 1370mm
Weight	Approx. 150kg
Standard Accessories	Step-down Transformer
	Cutting Disc x 10pcs (Ø250) for Steel, Alu-alloy, Copper
	Coolant Fluids
	Tools
	Water hose

Cutting Area:











Email: marketing@ecoinstrument.com.my Website: http://www.ecoinstrument.com.my