



MCut-100

Manual Metallographic Cutter
(Cutting Capacity:100mm)





Product Feature & Application

Product Feature

- Sample cutting by the longitudinal movement of cutting stage, large cutting range and strong cutting ability.
- Double-sided clamp device, fixing the sample firmly.
- The main parts of the clamp device and cutting stage are all made of stainless steel and with built-in flushing water gun.
- The cutting chamber is with two sides transparent organic glass window, built-in LED lamp and powerful exhaust system for user's observation.
- With cabinet structure to store all kinds of cutting consumables.
- With circulating cooling system.



Machine Mainframe



Water Tank

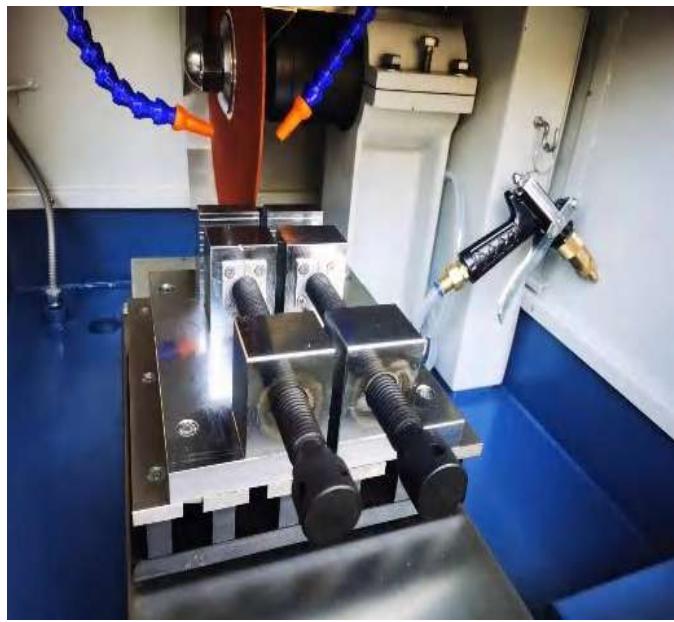
Product Application

This machine is suitable for various metallographic materials, the surface of sample after cutting is bright and flat without burns, it is an ideal equipment for sample cutting.



User Friendly

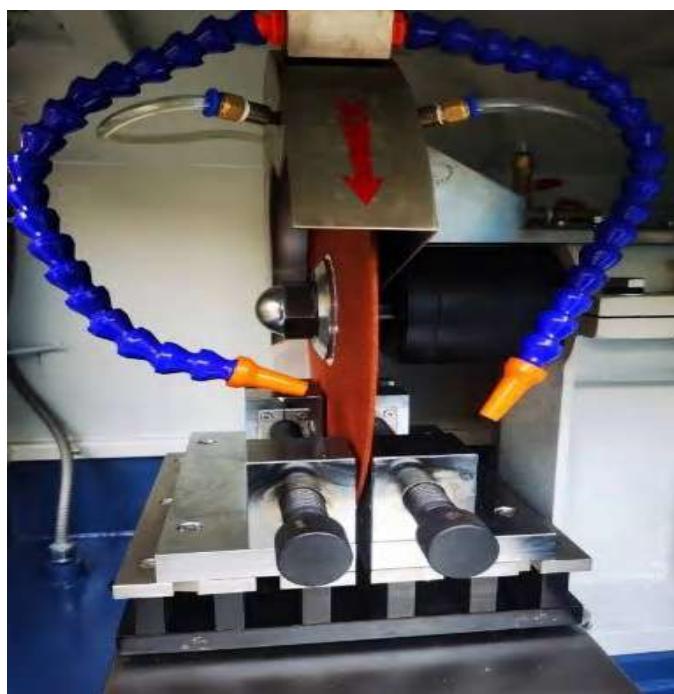
Large cutting range and strong cutting ability with powerful motor. Y-axis manual feeding for easy cutting, double-sided clamp device to fix sample firmly , Resin cutting disc as standard delivery.



Cutting Chamber



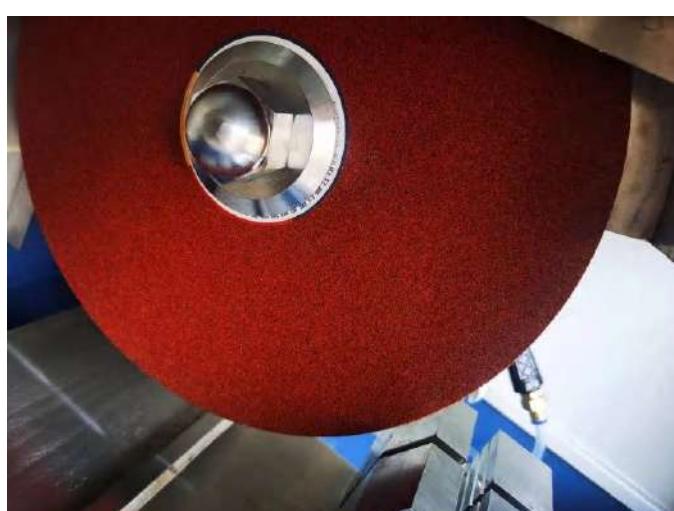
Y-axis manual feeding



Double-sided Clamp Device



Double-sided Clamp Device



Cutting Disc



Powerful Motor



User Friendly

Cutting chamber is with two-sides transparent organic glass window, built-in LED lamp and powerful exhaust system for user's clear observation and easy changing cutting disc.



Front Side Organic Glass Window



Left side organic glass window



LED Illumination side of Cutting Chamber



Powerful exhaust system



Powerful exhaust system



User Friendly

Both Emergency Stop Button and Safety Limit Switch (Optional) for user's safety operation.



Safety Limit Switch (Optional)



Emergency Stop Button



User Friendly

With circulating water cooling system, the surface of sample after cutting is bright and flat without burns. Cleaning water gun equipped to washing cutting chamber after work.



Cutting Disc Water Impingement



Water Inlet/Outlet



Water pump electrical interface



Water Tank



Cleaning Water Gun



Cleaning Water Gun



Technical Specification

Model	MCut-100
Cutting Method	Manual, Y axis Stage Feeding
Cutting Disc	Φ380×2.8×Φ32mm
Max. Cutting Capacity	100×120mm
Y Axis Travel	265mm
Spindle Speed	2800r/min
Motor Power	4kW
Cutting Stage	250×240mm, T-slot 12mm
Clamping Device	Threaded Clamp, Jaw height 60mm, Opening 120mm
Power Supply	380V, 50Hz, 10A, Three-phase five-wire
Machine Dimensions	800×900×1640mm
Net Weight	340kg
Water Tank Capacity	100L
Pump Flow	25L/min
Water Tank Dimensions	460×600×680mm
Water Tank Weight	36kg



Packing List

Name	Specification	Qty
Machine Mainframe	/	1 set
Water Tank	/	1 set
Cutting Disc	Φ380×2.8×Φ32mm Resin cut-off wheel	2 pcs
Cutting Fluid	3kg	1 bottle
Cleaning Water Gun	Handheld	1 pc
Wrench	36mm, 46mm	each 1 pc
Inner Hexagon Spanner	5mm, 6mm	each 1 pc
Socket Spanner	24mm	1 pc
Water Inlet Pipe	Φ20mm	1 pc
Water Outlet Pipe	Φ48mm	1 pc
Fan Pipe	/	1 pc
Fan	/	1 pc
Usage Instruction Manual	/	1 copy



Water Tank



Cutting Disc



Cleaning Water Gun



Cutting Fluid



Cutting Disc