

MIDLAND METROLOGY LIMITED

# MCut-30

Manual/Auto Precision  
Metallographic Cutter



# Product Feature & Application

## Product Feature

- MCut30 manual/automatic precision cutting machine with a motor that drives the belt to control the cut off wheel achieving a effective speed.
- With touch screen control and clear display.
- The cutting feed can be controlled by the cut off wheel or cutting table propulsion according to different materials.
- Can automatically finish cutting according to set parameters.
- With built in stainless steel circulating filter. Cooling water tank with 80% water and 20%cutting fluid. This can avoid the sample surface heat and prevent rail and ball screw rust.
- The machine has a safety protection function for opening the cover.
- The working area is completely enclosed and has a transparent cover for observation during cutting.
- The cutting table can be equipped with different clamping tools which can be freely disassembled and cleaned.



## Product Application

MCut-30 cutting machine can be used for cutting of PCB plate, metal materials within ~30mm, electronic parts and mounting samples, etc. Perfect precision cutter for laboratory or industry use.

# User Friendly

QG-PCB30 provides touch screen operation for cutting. All regularly used functions are on the front screen without complicated menus, Store 10 parameters and recall with a single touch.

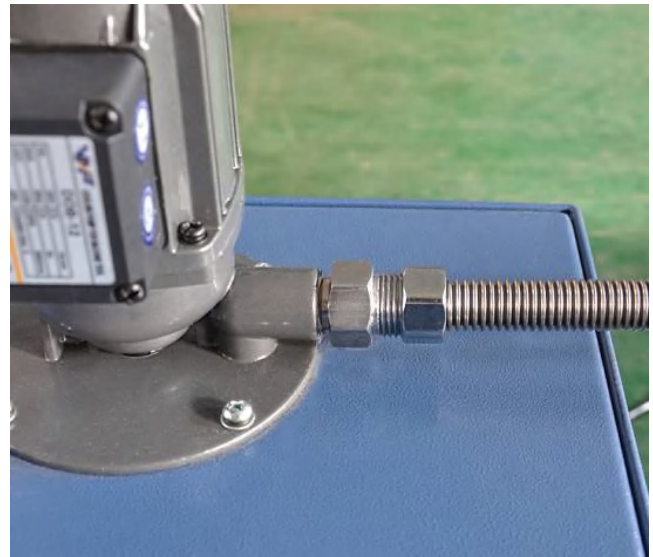


# Technical Specification

Model	<b>MCut-30</b>
Cutting Method	Manual / Automatic
Feeding Method	Spindle feeding or Stage feeding
Feed Speed	Manual /Automatic 1-36mm/min (Step 0.1mm/min)
Cut-off Wheel	180×0.8×22mm
Max. Cutting Capacity	30mm
Max. Travel	Spindle travel 140mm, Stage Travel 230mm
Spindle Speed	500-3000r/min
Motor Power	1.2kW
Cutting Stage	245×415mm, T-slot 8mm
Clamping Tool	Quick clamp, Jaw height 45mm; Vertical clamp, Opening 27mm
Control and Display	5.7 inch Touch Screen
Power Supply	220V, 50Hz,8A
Pump Flow	16L/min
Machine Dimensions	620×740×380mm
Net Weight	80kg
External Water Tank Capacity	36L
Water Pump Flow	12L/min
Water Tank Dimensions	300x500x450mm
Water Tank Net Weight	20Kg

# Easy Installation

Fill the tank with water and cutting fluid (20:1), according to the material being used. User can increase the concentration of cutting fluid (2%~10%).



# Standard Delivery

Name	Specification	Qty
Machine Mainframe	/	1 set
Diamond cut-off wheel	180×0.8×22mm	1 pc
Cutting Fluid	3kg	1 bottle
Spanner	22mm, 14×17mm	each 1 pc
Inner Hexagon Spanner	4mm	1 pc
Vertical Clamp Spanner	/	1 pc
Power Cable	/	1 pc
Instruction Manual	/	1 copy
Outlet Water Pipe	32mm	1 pc
Inlet Water Pipe	1.5m Length	1 pc
Product Certificate	/	1 Copy



**Diamond cut-off wheel**



**Cutting Fluid**



**Vertical Clamp**

# Optional Accessories

Name	Specification
Diamond Cut-off Wheel	180×0.8×22mm
CBN Cut-off Wheel	180×0.8×22mm
Resin Cut-off Wheel	180×1×22mm
Cutting Fluid	Z0703B Synthetic Cutting Fluid

Web:[www.midland-metrology.co.uk](http://www.midland-metrology.co.uk)

Email:[sales@midland-metrology.co.uk](mailto:sales@midland-metrology.co.uk)