



CUT-OFF MACHINE

QCUT 250 M

**The Qcut 250 M is an especially user-friendly wet abrasive cutting machine with manual cut-off. Opening the machine folds away the hood to the inside so that the whole cutting chamber is easily accessible. The round window opens a wide field of view during the cutting process.**

The cutting wheel cooling is integrated directly into the wheel guarding cover. The large, stainless table is equipped with replaceable wearing plates. Transverse grooves allow optimized alignment of clamping vices (e. g. clamping vice 80).

## PRODUCT ADVANTAGES

- | Manual vertical movement
- | Large cutting chamber
- | Opening on left- and righthand side for continuous long parts
- | Large table with exchangeable wearing plates
- | Hood covering complete width for optimal accessibility
- | Easy operation
- | Large range of different clamping tools and systems available
- | Current safety standard with door interlocking system
- | Solid aluminium case construction, powder coated

## FEATURES

### FINE DYNAMIC CUT-OFF

The manual cutting movement of the Y-axis is executed precisely and jerk-free via lever. Length and angle of the lever are adjustable. Further, the cutting depth can easily be adjusted by using a limiter.

### ILLUMINATION

Through the large rounded window, the cutting chamber is comfortably visible. For direct lighting, the Qcut 250 M can be equipped with a flexible LED light.

### SAFETY

The integrated standstill monitoring allows opening only when the cutting wheel is not rotating.

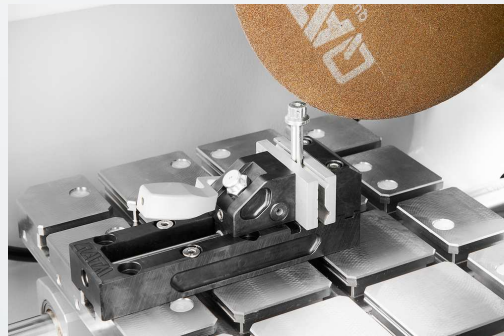
## **PERFECT CUTTING - CUT-OFF WHEELS FROM QATM**

Cutting is more reliable, safe and efficient when processed with the right ingredients: knowledge, care and the right choice of consumables and instruments.



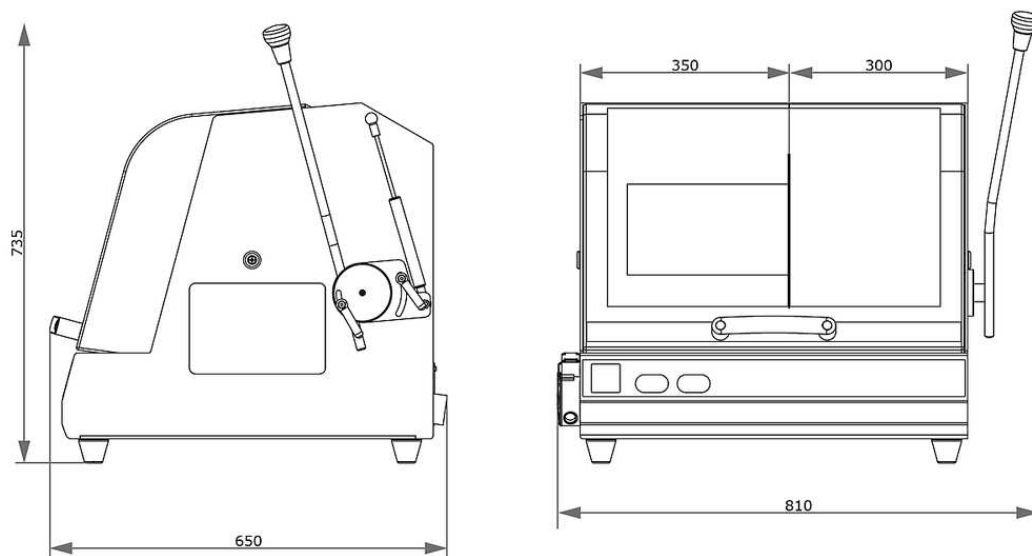
## **FAST, POWERFUL, FLEXIBLE - QTOOL CLAMPING DEVICES**

Our innovative clamping devices are used to clamp workpieces securely and precisely to ensure exact cutting and grinding processes. There is a wide range of different clamping devices that have been developed for specific applications and workpiece sizes.



CUT-OFF MACHINE QCUT 250 M

**TECHNICAL DATA**



|                                   |                                                                |
|-----------------------------------|----------------------------------------------------------------|
| <b>Cutting wheel</b>              | up to $\varnothing$ 250 mm/10"                                 |
| <b>Max. cutting capacity</b>      | $\varnothing$ 55 mm / $\varnothing$ 90 mm (up to 25 mm length) |
| <b>Wheel flange size</b>          | $\varnothing$ 32 mm                                            |
| <b>Y-axis (vertical movement)</b> | 145 mm                                                         |
| <b>Table WxD</b>                  | 350 x 288 mm stainless                                         |
| <b>T-slot</b>                     | 12 mm                                                          |
| <b>Connection power</b>           | 4.5 kVA                                                        |
| <b>Drive power (main drive)</b>   | 3 kW S6 40%                                                    |
| <b>W x H x D</b>                  | 810 x 735 x 650 mm                                             |
| <b>Weight</b>                     | ~ 75 kg                                                        |

[www.qatm.com/qcut-250-m](http://www.qatm.com/qcut-250-m)

## ORDER DATA

### BASIC EQUIPMENT

#### MACHINE (ALL ITEMS REQUIRED)

M1880000  Qcut 250 M (Brillant 200) Base machine

#### POWER SUPPLY (1 ITEM REQUIRED)

A1880000 Qcut 250 M power supply 400V/50Hz (3Ph/N/PE)

A1880001 Qcut 250 M power supply 480V/60Hz (3/PE)

A1880002 Qcut 250 M power supply 220V/60Hz (3/PE)

#### RECIRCULATION SYSTEM (1 ITEM REQUIRED)

A5800484  Recirculation Cooling System 45L 400V/50Hz (3Ph/PE) mobile, with insertion mechanism

A5800485  Recirculation Cooling System 45L 480V/60Hz (3Ph/PE) mobile, with insertion mechanism

A5800486  Recirculation Cooling System 45L 220V/60Hz (3Ph/PE) mobile, with insertion mechanism

A5800487  Recirculation Cooling System 45L 400V/50Hz (3Ph/PE) mobile, without folding wheels

A5800488  Recirculation Cooling System 45L 480V/60Hz (3Ph/PE) mobile, without folding wheels

A5800489  Recirculation Cooling System 45L 220V/60Hz (3Ph/PE) mobile, without folding wheels

### OPTIONS (TO BE ORDERED WITH MACHINE)

Z1820009  Centrifugal separator (machine mounted) 400V/50Hz/3 Ph

Z1820012  Centrifugal separator (machine mounted) 480V/60Hz/3 Ph

Z1820011



Centrifugal separator (machine mounted) 220V/60Hz/3 Ph

## PRECISION CLAMPING DEVICES

|          |                                               |
|----------|-----------------------------------------------|
| Z1870035 | Sample holder L standard Ø 40 mm open         |
| Z1870037 | Sample holder L standard Ø 40 mm closed       |
| Z1870039 | Sample holder L Flex Ø 40 mm                  |
| Z1870043 | Sample holder L parallel clamping vice open   |
| Z1870041 | Sample holder L parallel clamping vice closed |
| Z1870045 | Drop shape sample holder L Ø 40 mm            |
| Z1870047 | Universal clamping vice L                     |
| Z1870049 | Matrix clamping vice L                        |
| Z1870054 | Mini vice L                                   |
| Z1870056 | Double parallel vice L                        |
| Z1870058 | Adaptor with ball joint L                     |
| Z1870063 | Reduction ring Ø 30 mm                        |
| Z1870071 | Reduction ring Ø 40 mm                        |
| Z1870067 | Reduction ring 1"                             |
| Z1870066 | Reduction ring 1 1/4"                         |
| Z1870065 | Reduction ring 1 1/2"                         |
| Z1870069 | Manual chuck Ø 44 mm                          |
| Z1870070 | Manual chuck Ø 56 mm                          |

## VACUUM CLAMPING VICES

|          |                                                |
|----------|------------------------------------------------|
| Z1870028 | Vacuum sample holder                           |
| 01870288 | Vacuum holder (sacrificial plate)              |
| Z1304600 | Vacuum pump 230V/50Hz for vacuum sample holder |
| Z1304634 | Vacuum pump 110V/60Hz for vacuum sample holder |

## QTOOL 60

|          |          |
|----------|----------|
| Z2235200 | Qtool 60 |
|----------|----------|

|          |                                                  |
|----------|--------------------------------------------------|
| 02235202 | Clamping jaw 32 mm - for Qtool 60                |
| Z2235201 | Clamping jaws 60 mm - for Qtool 60               |
| 02235212 | Clamping jaw 32 mm bevelled - for Qtool 60       |
| 02235213 | Clamping jaw 32 mm cross prism - for Qtool 60    |
| Z2235202 | Clamping jaws 60 mm slotted - for Qtool 60       |
| Z2235203 | Clamping jaws 60 mm slotted prism - for Qtool 60 |

#### QTOOL 80

|          |                                   |
|----------|-----------------------------------|
| Z2231203 | Qtool 80 - 100mm                  |
| 02231243 | Clamping jaw 40 mm                |
| Z2231215 | Clamping jaws 70 mm               |
| 02231245 | Clamping jaw 40 mm bevelled       |
| 02231246 | Clamping jaw 40 mm cross prism    |
| Z2231216 | Clamping jaws 70 mm slotted       |
| Z2231217 | Clamping jaws 70 mm slotted prism |

#### QTOOL 80 VARIO

|          |                                          |
|----------|------------------------------------------|
| Z2231200 | Qtool 80 Vario - 100 mm                  |
| Z2231210 | Workpiece stop                           |
| 02231200 | Clamping jaw, 40 mm - for Qtool 80 Vario |
| Z2231211 | Clamping jaws, 70 mm                     |
| 02231213 | Prism jaw, 40 mm                         |
| 02231229 | Bevelled jaw, 40 mm                      |
| 02231230 | Cross prism jaw, 40 mm                   |
| Z2231212 | Round bar jaws, 70 mm slotted            |
| Z2231213 | Prism jaws, 70 mm slotted                |
| Z2231214 | Clamping jaws, 70 mm slotted             |

## ACCESSORIES FOR EASY-CLAMPING PLATES

|          |                          |
|----------|--------------------------|
| Z2236032 | Easy adaption horizontal |
| Z2236033 | Easy adaption vertical   |

|          |                             |
|----------|-----------------------------|
| Z2236034 | Easy adaption Qtool 40 - 60 |
| Z2236038 | Multitower rotating plate   |
| Z2236039 | Multitower                  |
| Z2236040 | Swivel unit Qtool 40 - 60   |
| Z2236036 | Easy-multifunctional plate  |

## CLAMPING ACCESSORIES FOR ROTATING, SWIVELING AND SPECIAL APPLICATIONS

|          |                                          |
|----------|------------------------------------------|
| Z2236041 | Swivel unit Qtool 60 - 80                |
| Z1304643 | Screw clammer with Easy-clamping plate M |
| Z1304636 | Expansion clamping device                |
| Z2236009 | Vertical clamp single                    |
| Z2236010 | Vertical clamp double                    |
| Z2234010 | Clamping system X-Clamp 3858             |

### CROSS VICES

|          |                                                                                                         |
|----------|---------------------------------------------------------------------------------------------------------|
| Z1340010 |  Cross vice 50 - 100 |
|----------|---------------------------------------------------------------------------------------------------------|

## UNIVERSAL VICES AND ACCESSORIES

|          |                                                                                                                            |
|----------|----------------------------------------------------------------------------------------------------------------------------|
| 01350022 | Prism 120°                                                                                                                 |
| 01350023 | Prism slim                                                                                                                 |
| 01350024 | Prism 90°                                                                                                                  |
| 01350025 | Prism 90° high                                                                                                             |
| Z1350008 |  Universal vice Piccolo 54              |
| Z1350010 |  Suitcase set universal vice Piccolo 54 |
| Z1350012 |  Universal vice Piccolo 100             |

|          |                                                                                   |                                               |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------|
| Z1350002 |  | Universal vice Mono 61                        |
| Z1350004 |  | Suitcase set universal vice Mono 61           |
| Z1350011 |  | Universal vice Mono 132                       |
| Z1350005 |                                                                                   | Universal vice Duo                            |
| Z1350006 |                                                                                   | Chain vice set                                |
| 92005796 |                                                                                   | Longitudinal v-shoe                           |
| 92005797 |                                                                                   | Traverse v-shoe                               |
| 92005799 |                                                                                   | Longitudinal bridge                           |
| 92005800 |                                                                                   | Traverse bridge                               |
| 92005798 |                                                                                   | Standard clamping shoe                        |
| Z1350007 |                                                                                   | Height adapter 60mm Piccolo                   |
| Z1350003 |                                                                                   | Height adapter 74mm Mono                      |
| 95003172 |                                                                                   | Clamping arm extension Piccolo 54 and Mono 61 |
| Z1304591 |                                                                                   | Fixing screw M6 x 25                          |
| 95003169 |                                                                                   | Fixing screw Piccolo M8 x 25                  |
| 95003170 |                                                                                   | Fixing screw Piccolo M10 x 25                 |
| 95003168 |                                                                                   | Fixing screw Mono M10 x 32                    |
| 91001157 |                                                                                   | T-slot nut - stainless M6 x 8                 |
| 91001161 |                                                                                   | T-slot nut - stainless M8 x 10                |
| 91001159 |                                                                                   | T-slot nut - stainless M8 x 12                |
| 91001158 |                                                                                   | T-slot nut - stainless M10 x 12               |