



DOORSLIJPMACHINE

QCUT 250 A

The Qcut 250 A is a compact and flexible semi-automatic abrasive cut-off machine with a 254 mm / 10" cut-off wheel for workpieces or samples up to Ø 95 mm. This machine combines the benefits and speed of a manual cut-off machine with the advantages of an automatic abrasive cutter.

The semi-automatic Qcut 250 A, equipped with a hand lever and automatic lever brake, can be operated with one hand and makes vertical cuts or the positioning of the cut-off wheel easier than before. The cutting table with T-slots is made of stainless steel and can be used either with a dynamic automatic drive (allows pulsed cut) or in manual mode, operated by a hand wheel (traverse cut). Together with the well-proven QATM technology of pulsed cutting, the Qcut 250 A provides excellent cutting results even with the most difficult materials. And having an automatic X-axis allows the Care-Cut (oscillation cut) during a chop cut for large pieces.

For more complex cutting tasks, the Qcut 250 A can be equipped with an optional automatic cross table to perform serial cuts. Axes are monitored by travel measuring during set up and operation.

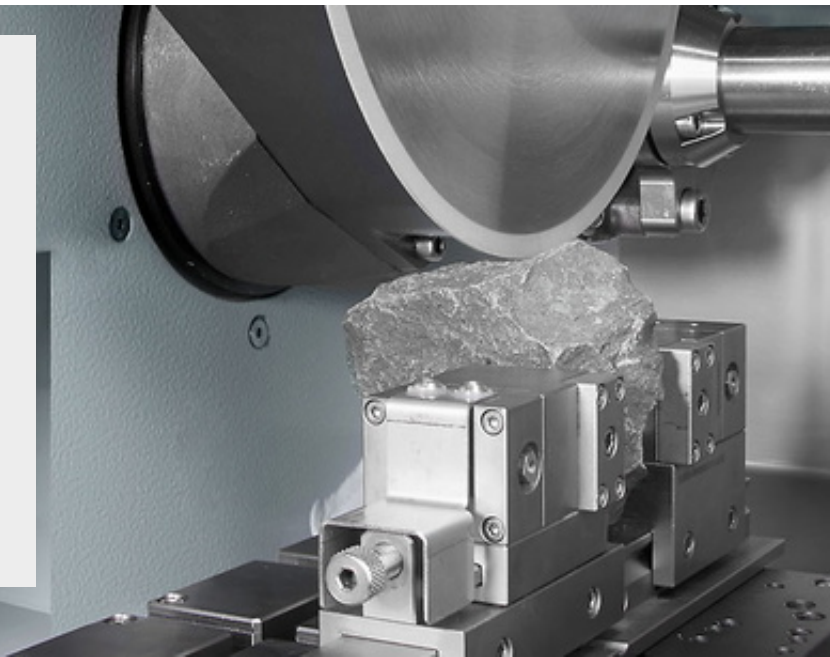


[Klik om video te bekijken](#)

PRODUCTVOORDELEN

- | Manuele Y-as met elektromechanische positie fixatie
- | Care-Cut: faciliteert gentle cutting

- | 7" Touchscreen gebruiksiinterface met intuïtieve QATM gebruikerssoftware
- | Automatische X-as - manuele X-as via handwiel
- | Snijkracht afhankelijk van voedingsregeling (X-as)
- | Superior LED verlichting van de snijkamer
- | Parallele instelling van de wielbeveiliging tijdens opeenvolgende snijprocessen, verhoogt de snijcapaciteit
- | Opening aan beide kanten voor eventuele lange delen



KENMERKEN

FINE DYNAMIC CUT-OFF

With the manual cutting movement, the cutting force is regulated through a set of gears. The cut is thereby jerk-free and more precise. The easy-to-use lever brake fixes the cutting disc in any position.

HORIZONTAL MOVEMENT

The manual horizontal or automatic movement allows cutting long parts longitudinally and easy positioning of the sample below the cut-off wheel. In pulsed cutting mode the sample material is cut particularly gently.

INTUITIVE CONTROL SOFTWARE

The new control software with integrated, extensive maintenance menu makes the operation simple and comfortable.

AUTOMATISCHE DWARSAANVOER

The automatic Z-axis can be adjusted with 0.1 mm precision for parallel cuts.

DOORSLIJPMACHINE QCUT 250 A SUPERIORITY IN DETAIL

1. Large machine table

- | Axes can be positioned backlash-free
- | Easy grooves for simple mounting of QATM clamping devices
- | T-slots 12 mm for individual clamping devices
- | Max. W x H: 380 mm x 270 mm (without Z-axis), otherwise 300 mm x 270

2. Ergonomic control panel

- | 10,1" color touch display
- | Joystick for manual operation

3. Laser alignment

- | For exact component part positioning before cutting

4. Cut-off wheel lock

- | Simplified cutting disc replacement via locking mechanism and easy nut system

5. Side opening

- | For exact component part positioning before cutting

6. Robust housing

- | Sturdy powder-coated aluminum construction

7. Parallel-guided cutting disc cover

- | Increased cutting capacity in cross-cutting

8 Large hand lever

- | Hand lever for precise cross-cuts with automatic locking brake



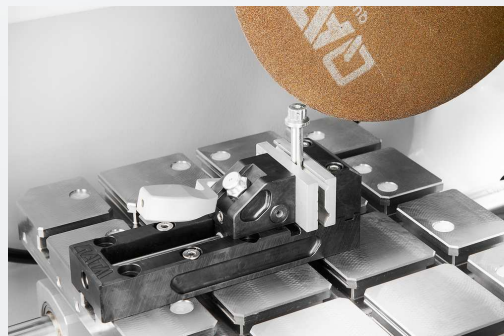
PERFECT CUTTING - CUT-OFF WHEELS FROM QATM

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



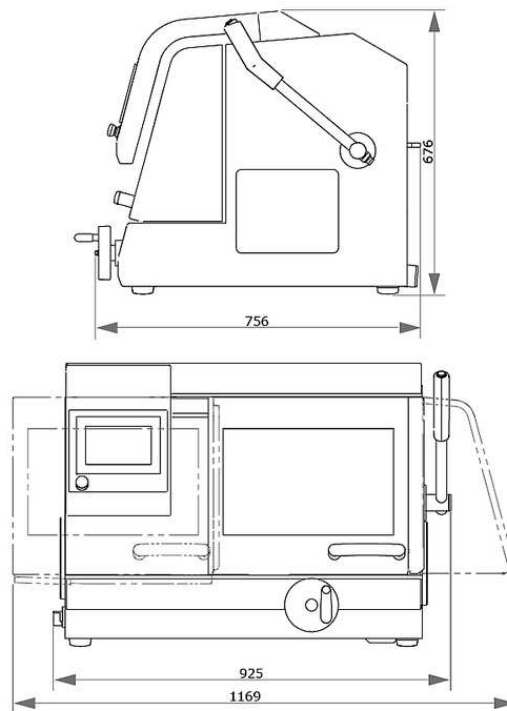
SNEL, KRACHTIG, FLEXIBEL - KLEMSYSTEMEN VAN QTOOLS

Onze innovatieve klemsystemen worden gebruikt om werkstukken veilig en nauwkeurig vast te klemmen om exact door te slijpen of te polijsten. Er is een uitgebreid pakket aan verschillende klemsystemen beschikbaar, die ontworpen werden voor specifieke toepassingen en werkstuk-afmetingen.



DOORSLIJPMACHINE QCUT 250 A

TECHNISCHE GEGEVENS



Doorslijpschijf	up to 254 mm / 10"
Max. cutting capacity	ø 95 mm
X-as automatisch & handmatig	225 mm
Y-axis manual	170 mm
Z-axis automatic (option)	120 mm
Precisie Z-as	0.1 mm
Table without Z-axis WxD	380 x 270 mm
Table with Z-axis WxD	300 x 270 mm
T-slot	12 mm
Aansluitvermogen	5.5 kVA
Vermogen aanfrijving (hoofdaandrijving)	3 kW, S1; 4 kW, S3/60%
Snelheid	3015 rpm at 50Hz and 3100 rpm at 60Hz
B x H x D	925 x 676 x 756 mm
Weight (depends on equipment)	~ 130 kg

www.qatm.com/qcut-250-a

BESTELGEGEVENS

BASIS UITRUSTING

MACHINE (ALLE POSITIES NOODZAKELIJK)

M1822000  Qcut 250 A (Brillant 240) Base machine

STROOMVOORZIENING (1 ITEM NOODZAKELIJK)

A1822001 Qcut 250 A power connection 400V/50Hz (3Ph/PE)

A1822002 Qcut 250 A power connection 480V/60Hz (3Ph/PE)

A1822003 Qcut 250 A power connection 220V/60Hz (3Ph/PE)

TABLE DRIVE BRILLANT (1 ITEM REQUIRED)

A1822004 Qcut 250 A X-Axis aut.&manual / without Z-Axis

A1822005 Qcut 250 A X-Axis aut.&manual / Z-Axis aut.

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

A6501009  Belt filter 130 - 400V/50Hz (3Ph/PE)

A6501011		Belt filter 130 - 480V/60Hz (3Ph/PE)
A6501010		Belt filter 130 - 220V/60Hz (3Ph/PE)
Z6501004		Connection set belt filter 130

OPTIONS (TO BE ORDERED WITH MACHINE)

A1822006		Qcut 250 A laser alignment aid
A1822007		Qcut 250 A centrifugal separator 400V 50Hz/480V 60Hz
A1822008		Qcut 250 A centrifugal separator 220V 60Hz

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
Z1870064	Reduction ring Ø 25 mm
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"

Z1870068	Manual chuck Ø 32 mm
Z1870069	Manual chuck Ø 44 mm
Z1870070	Manual chuck Ø 56 mm

VACUUM CLAMPING VICES

Z1870028	Vacuum sample holder
O1870288	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
O2235202	Clamping jaw 32 mm - for Qtool 60
Z2235201	Clamping jaws 60 mm - for Qtool 60
O2235212	Clamping jaw 32 mm bevelled - for Qtool 60
O2235213	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
O2231243	Clamping jaw 40 mm
Z2231215	Clamping jaws 70 mm
O2231245	Clamping jaw 40 mm bevelled
O2231246	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
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Z2231211	Clamping jaws, 70 mm
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02231213	Prism jaw, 40 mm
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02231229	Bevelled jaw, 40 mm
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02231230	Cross prism jaw, 40 mm
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Z2231212	Round bar jaws, 70 mm slotted
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Z2231213	Prism jaws, 70 mm slotted
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Z2231214	Clamping jaws, 70 mm slotted
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EASY-CLAMPING PLATES

Z2236030	Easy-clamping plate S
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Z2236031	Easy-clamping plate S with rotating unit
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Z2236035	Easy-clamping plate M
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ACCESSORIES FOR EASY-CLAMPING PLATES

Z2236032	Easy adaption horizontal
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Z2236033	Easy adaption vertical
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Z2236034	Easy adaption Qtool 40 - 60
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Z2236038	Multitower rotating plate
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Z2236039	Multitower
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Z2236040	Swivel unit Qtool 40 - 60
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Z2236036	Easy-multifunctional plate
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CLAMPING ACCESSORIES FOR ROTATING, SWIVELING AND SPECIAL APPLICATIONS

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

CROSS VICES

Z1340010 Cross vice 50 - 100



ANGLE AND ROTATING VICES

Z1304001 Angle vice 60

01304008 Prism jaw angle vice 60

ROTATING DEVICES

Z1870059 Rotation device type RD1

Z1891001 Rotation device type RD2.1

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