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**DOORSLIJPMACHINE**

# QCUT 400 A

[qatm.com/nl/producten/snijden/grote-doorslijpmachines/qcut-400-a/](http://qatm.com/nl/producten/snijden/grote-doorslijpmachines/qcut-400-a/)

## QCUT 400 A

# DOORSLIJPMACHINE

The compact large cut-off machine Qcut 400 A offers high cutting capacity in a minimal footprint. Its automatic travel and cross-cut functions ensure precise, low-contact cuts.

Compact design: Enables large and powerful cuts in a small space.

Its Multi-Position Process (MPP) allows simultaneous positioning and automatic cutting of different components on the machine table.



## QCUT 400 A

### PRODUCTVOORDELEN

- | **Compact design:** Enables large and powerful cuts in a small space
- | **Best price-performance ratio:** Strong cutting performance at a fair price
- | **Multi-Position Process (MPP):** Simultaneous positioning and automatic cutting of different components on the machine table.

## QCUT 400 A

# SUPERIORITY IN DETAIL

### 1 | ERGONOMIC CONTROL PANEL

- | Large 10.1" industrial touchscreen with intuitive QATM software
- | Quick setup, control of all automatic axes with joystick

### 2 | ROBUST MACHINE BODY

- | Sturdy powder-coated aluminum construction
- | Integrable recirculating cooling unit
- | Automatic central lubrication of the axes

### 3 | COMPACT MACHINE TABLE

- | Made of stainless steel with integrated longitudinal and cross T-slots
- | Secure clamping of complex workpiece shapes using the T-slot table or Easy clamping system
- | Dimensions: 420 x 375 mm (with Z-axis W x D), 550 x 375 mm (without Z-axis W x D)
- | Load capacity: up to 120 kg
- | Travel: X: 345 mm, Y: 200 mm, Z: 150 mm (manual as standard, automatic optional)

### 4 | LARGE CUTTING CHAMBER

- | Large sliding door provides easy access and visibility
- | Side swing door for convenient access to cutting chamber
- | Side opening on the right for long samples
- | Break-resistant LED interior lighting

### 5 | OPTIMIZED SWIVEL ARM

- | Highly efficient cooling system
- | Increased cutting capacity thanks to parallel guided cut-off wheel guard
- | Laser alignment aid for easy workpiece positioning (option)
- | Innovative quick-change system for easy maintenance and cut-off wheel replacement

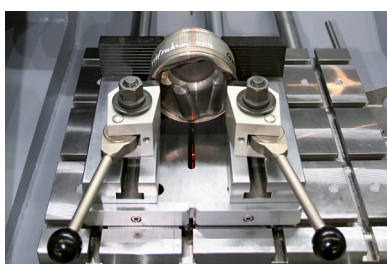


## QCUT 400 A

## KENMERKEN

**STAINLESS STEEL MACHINE TABLE**

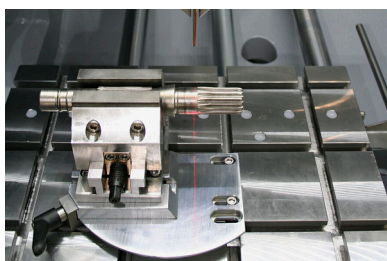
- | Spacious machine table enables precise work even under heavy loads.
- | Integrated T-slots for the Easy clamping system for quick mounting of clamping tools
- | Efficient and reliable fixation of complex geometries using clamping devices
- | Load capacity up to 120 kg (including clamping devices)

**LASER ALIGNMENT**

- | Optional laser alignment projects the cutting line directly onto the workpiece, enabling precise positioning and exact cut placement.
- | Easy positioning of workpieces
- | Precise clamping without much effort

**ROBUST MACHINE WITH LARGE CUTTING CHAMBER**

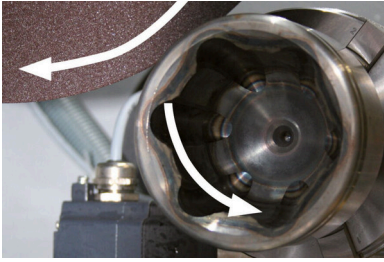
- | Robust, powder-coated aluminum machine body features a large sliding door with scratch-resistant laminated safety glass and convenient side access door.
- | Machine body with integrable recirculating cooling unit and automatic central lubrication
- | Large cutting chamber access with safety interlock — doors open only when cut-off wheel is stationary
- | Side opening on the right for long samples

**PRECISION CROSS FEED**

- | De in de tafel geïntegreerde Z-as zorgt voor een constante snijhoogte, terwijl de automatische dwarsvoeding met seriële snijfunctie nauwkeurige parallelle sneden levert.
- | Simple and intuitive serial cutting
- | The multi-position process (MPP) allows more complex serial cutting to be carried out

## QCUT 400 A

## KENMERKEN / VERVOLG



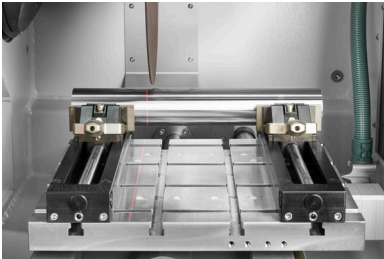
## ROTATION TOOL

- | The optional rotation tool features a vertical rotary feed parallel to the wheel with software-controlled angle input.
- | More uniform cutting surfaces and cutting quality
- | Cutting time is halved for rotationally symmetrical parts
- | Protects against cut-off wheel run-out



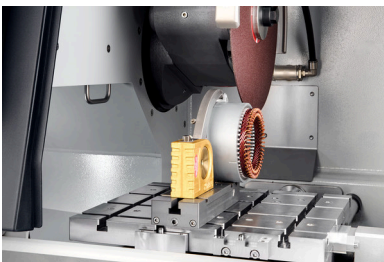
## INTUITIVE AND EASY OPERATION

- | Large 10.1" industrial touchscreen with intuitive QATM user software and joystick.
- | Easily manage process parameters and create customer-specific maintenance tasks (200 user programs can be saved)
- | Parameters such as feed rate, travel distance, and cutting force can be changed during automatic operation



## PULSED CUTTING

- | For thick and difficult-to-cut materials, the adjustable automatic pulsed cutting provides gentle sectioning with optimal cooling of the cut interface.
- | Enhanced cutting results for larger components
- | Superior cooling of contact surfaces

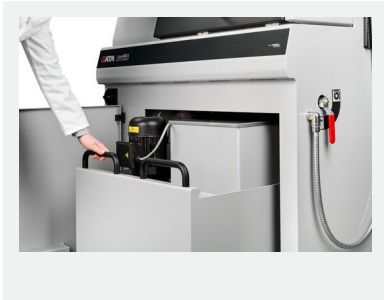


## CUTTING FORCE DEPENDENT FEED CONTROL (X- AND Y-AXIS)

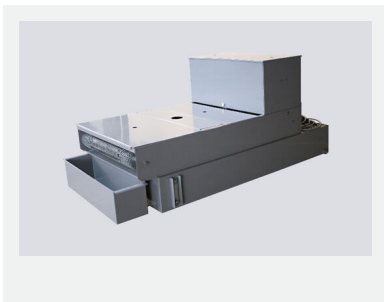
- | The feed rate automatically decreases when cutting force reaches a preset limit, protecting the machine, sample, and clamping tools from overloading while ensuring time savings through variable feed control.
- | Time savings thanks to variable feed rate

## QCUT 400 A

## TOEBEHOREN

**RECIRCULATION COOLING UNIT**

- | Compact, integrable cooling system for standard applications.
- | Can be integrated into the housing and extended
- | Multi-chamber filtration
- | Inlet sieve with filter bag (see consumables)

**BELT FILTER SYSTEM**

- | Large cooling and filter system for continuous operation, e.g. in serial applications.
- | Tank size: 285 l
- | Filtering capacity: 100 l/min (referring emulsion)
- | Pump capacity: 100 l/min

**CENTRIFUGAL SEPARATOR**

- | Work safety: Working environment with improved air quality.
- | Removes coolant mist
- | Purifies the air and increases visibility
- | Exhaust power 452 m³/h

## QCUT 400 A

SNEL, KRACHTIG, FLEXIBEL -  
KLEMSYSTEMEN VAN QTOOLS

Onze innovatieve klemssystemen 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 klemssystemen beschikbaar, die ontworpen werden voor specifieke toepassingen en werkstuk-afmetingen.

**QTOOL SERIES → CLAMPING TOOLS FOR SPECIAL APPLICATIONS →**

**QCUT 400 A****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.

**NAAR HET PRODUCTENOVERZICHT →**

**QCUT 400 A****TECHNISCHE GEGEVENS**

|                                         |                      |
|-----------------------------------------|----------------------|
| Doorslijpschijf                         | tot Ø 406 mm/16"     |
| Max. Doorslijpingscapaciteit            | Ø 150 mm             |
| X-as automatisch                        | 345 mm               |
| Y-as automatisch                        | 200 mm               |
| Z-as handmatig of automatisch (optie)   | 150 mm               |
| Precisie Z-as                           | 0,1 mm               |
| T-slot                                  | 12 mm                |
| Snelheid                                | variabele            |
| Aansluitvermogen                        | 17 kVA               |
| Vermogen aanfrijving (hoofdaandrijving) | 7 kW, S1             |
| B x H x D                               | 1100 x 1610 x 930 mm |
| Gewicht (afhankelijk van apparatuur)    | ~ 480 kg             |



## QCUT 400 A

## BESTELGEGEVENS

## BASIS UITRUSTING

## MACHINE (ALLE POSITIES NOODZAKELIJK)

|          |                         |
|----------|-------------------------|
| M1842000 | Qcut 400 A Base machine |
|----------|-------------------------|

## STROOMVOORZIENING (1 ITEM NOODZAKELIJK)

|          |                                            |
|----------|--------------------------------------------|
| A1842000 | Qcut 400 A power supply 400V/50Hz (3Ph/PE) |
|----------|--------------------------------------------|

|          |                                            |
|----------|--------------------------------------------|
| A1842001 | Qcut 400 A power supply 480V/60Hz (3Ph/PE) |
|----------|--------------------------------------------|

|          |                                            |
|----------|--------------------------------------------|
| A1842002 | Qcut 400 A power supply 220V/60Hz (3Ph/PE) |
|----------|--------------------------------------------|

## CROSS FEED (1 ITEM REQUIRED)

|          |                                           |
|----------|-------------------------------------------|
| A1842003 | Qcut 400 A X-axis autom. / without Z-axis |
|----------|-------------------------------------------|

|          |                                          |
|----------|------------------------------------------|
| A1842004 | Qcut 400 A X-axis autom. / Z-axis manual |
|----------|------------------------------------------|

|          |                                          |
|----------|------------------------------------------|
| A1842005 | Qcut 400 A X-axis autom. / Z-axis autom. |
|----------|------------------------------------------|

## RECIRCULATION SYSTEM (1 ITEM REQUIRED)

|          |                                           |
|----------|-------------------------------------------|
| A1842008 | Brillant 265 recirculation cooling system |
|----------|-------------------------------------------|

|          |                              |
|----------|------------------------------|
| A1842011 | Brillant 265 Belt filter 285 |
|----------|------------------------------|

|          |                                |
|----------|--------------------------------|
| Z6501003 | Connection set belt filter 285 |
|----------|--------------------------------|

## OPTIONS (TO BE ORDERED WITH MACHINE)

|          |                                |
|----------|--------------------------------|
| A1842009 | Qcut 400 A laser alignment aid |
|----------|--------------------------------|

|          |                                  |
|----------|----------------------------------|
| A1842010 | Qcut 400 A centrifugal separator |
|----------|----------------------------------|

## PRECISION CLAMPING DEVICES

|          |                        |
|----------|------------------------|
| Z1870063 | Reduction ring Ø 30 mm |
|----------|------------------------|

|          |                      |
|----------|----------------------|
| Z1870069 | Manual chuck Ø 44 mm |
|----------|----------------------|

## QTOOL 80

|          |                  |
|----------|------------------|
| Z2231203 | Qtool 80 - 100mm |
|----------|------------------|

|          |                  |
|----------|------------------|
| Z2231204 | Qtool 80 - 150mm |
|----------|------------------|

|          |                    |
|----------|--------------------|
| 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 |
|----------|-------------------------|

|          |                         |
|----------|-------------------------|
| Z2231201 | Qtool 80 Vario - 150 mm |
|----------|-------------------------|

|          |                         |
|----------|-------------------------|
| Z2231202 | Qtool 80 Vario - 250 mm |
|----------|-------------------------|

|          |                |
|----------|----------------|
| Z2231210 | Workpiece stop |
|----------|----------------|

## QCUT 400 A

## BESTELGEGEVENS / VERVOLG

## PRECISION CLAMPING DEVICES / QTOOL 80 VARIO

|          |                                          |
|----------|------------------------------------------|
| 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             |

## POWER CLAMPING SYSTEMS

## POWER CLAMPING SYSTEM 100-540

|          |                               |
|----------|-------------------------------|
| Z2234016 | Power clamping system 100-540 |
| Z2234018 | Prism clamping jaw            |
| Z2234017 | Clamping jaw flat             |
| Z2234019 | Angular drive                 |

## POWER CLAMPING SYSTEM LC 90

|          |                             |
|----------|-----------------------------|
| Z2234001 | Power clamping system LC 90 |
| Z2234003 | Carrier jaws LC 90          |
| Z2234004 | V-groove jaw 100            |
| Z2234005 | Clamping jaw flat           |
| Z2234009 | Quick-change adapter        |
| Z2234008 | Step jaw 100                |
| Z2234002 | Clamping system X-Clamp 100 |
| Z2234006 | Socket 90°                  |

## CLAMPING ACCESSORIES FOR ROTATING, SWIVELING AND SPECIAL APPLICATIONS

|          |                           |
|----------|---------------------------|
| Z1304636 | Expansion clamping device |
|----------|---------------------------|

## CROSS VICES

|          |                     |
|----------|---------------------|
| Z1340010 | Cross vice 50 - 100 |
| Z1340000 | Cross vice 80 - 100 |

## ANGLE AND ROTATING VICES

|          |                         |
|----------|-------------------------|
| Z1304001 | Angle vice 60           |
| 01304008 | Prism jaw angle vice 60 |
| Z1302000 | Angle vice 80           |
| 01302016 | Prism jaw angle vice 80 |

## QCUT 400 A

## BESTELGEGEVENS / VERVOLG

## ROTATIG DEVICES

|                 |                            |
|-----------------|----------------------------|
| <b>Z1870059</b> | Rotation device type RD1   |
| <b>Z1891001</b> | Rotation device type RD2.1 |

## UNIVERSAL VICES AND ACCESSORIES

|                 |                                               |
|-----------------|-----------------------------------------------|
| <b>Z1350025</b> | Clamping rail                                 |
| <b>01350022</b> | Prism 120°                                    |
| <b>01350023</b> | Prism slim                                    |
| <b>01350024</b> | Prism 90°                                     |
| <b>01350025</b> | Prism 90° high                                |
| <b>Z1350002</b> | Universal vice Mono 61                        |
| <b>Z1350004</b> | Suitcase set universal vice Mono 61           |
| <b>Z1350011</b> | Universal vice Mono 132                       |
| <b>Z1350005</b> | Universal vice Duo                            |
| <b>Z1350006</b> | Chain vice set                                |
| <b>92005796</b> | Longitudinal v-shoe                           |
| <b>92005797</b> | Traverse v-shoe                               |
| <b>92005799</b> | Longitudinal bridge                           |
| <b>92005800</b> | Traverse bridge                               |
| <b>92005798</b> | Standard clamping shoe                        |
| <b>Z1350007</b> | Height adapter 60mm Piccolo                   |
| <b>Z1350003</b> | Height adapter 74mm Mono                      |
| <b>95003172</b> | Clamping arm extension Piccolo 54 and Mono 61 |
| <b>Z1304591</b> | Fixing screw M6 x 25                          |
| <b>95003169</b> | Fixing screw Piccolo M8 x 25                  |
| <b>95003170</b> | Fixing screw Piccolo M10 x 25                 |
| <b>95003168</b> | Fixing screw Mono M10 x 32                    |
| <b>91001157</b> | T-slot nut - stainless M6 x 8                 |
| <b>91001161</b> | T-slot nut - stainless M8 x 10                |
| <b>91001159</b> | T-slot nut - stainless M8 x 12                |
| <b>91001158</b> | T-slot nut - stainless M10 x 12               |

# QCUT 400 A

## CONTACTEER ONS

[qatm.com/nl/contact-services/contact-form/?prefilltext=contact\\_form.request&product=A01A08B](http://qatm.com/nl/contact-services/contact-form/?prefilltext=contact_form.request&product=A01A08B)

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