



ОТРЕЗНОЙ СТАНОК

QCUT 500 A

www.qatm.com/ru/products/cutting/large-cut-off-machines/qcut-500-a/

QCUT 500 A**ОТРЕЗНОЙ СТАНОК**

The Qcut 500 A is the powerhouse of the large cut-off machine family. Equipped with a highly dynamic axis drive and automatic travel cut/chop cut functions, the system cuts large components with exceptional precision, minimal contact, and outstanding speed.

ПРЕИМУЩЕСТВА ОБОРУДОВАНИЯ

- | Fast, powerful cuts: The highly dynamic axis drive allows rapid traverses of up to 80 mm/s and greatly reduces cutting time
- | Versatile applications: Cutting of particularly long samples is easily possible thanks to side openings on both sides
- | Multi-Position Process (MPP): Simultaneous positioning and automatic cutting of different components on the machine table

**КРАТКО ОБ ОБОРУДОВАНИИ**

- | | |
|---|--------------------------------|
| Highly dynamic axis drive | Side openings for long samples |
| Automatic travel cut/chop cut functions | Multi-Position Process (MPP) |

QCUT 500 A**SUPERIORITY IN DETAIL****1 | ERGONOMIC CONTROL PANEL**

- | Large 12.1" industrial touchscreen with intuitive QATM software
- | Quick setup, control of all axes with joystick

3 | LARGE 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: 550 x 500 mm (with Z-axis W x D), 700 x 500 mm (without Z-axis W x D)
- | Load capacity: up to 400 kg
- | {{LL::general.technical.data.travel} X: 345
{{LL::weblab.cform1.milimeter}, Y: 200
{{LL::weblab.cform1.milimeter}, Z: 150MM

2 | ROBUST MACHINE BODY

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

4 | LARGE CUTTING CHAMBER

- | Large sliding door provides easy access and visibility
- | Side swing door for convenient access to cutting chamber
- | Side openings on the right and left 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)

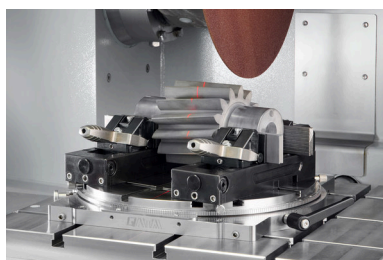


QCUT 500 A

ОСОБЕННОСТИ

**STAINLESS STEEL MACHINE TABLE**

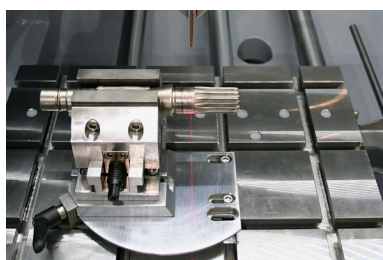
- | Spacious machine table enables precise work even under heavy loads.
- | Integrated T-slots for the Easy clamping system for quick mounting of clamping tools
- | Efficient and reliable fixation of complex geometries using clamping devices
- | Load capacity up to 120 kg (including clamping devices)

**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 openings on the right and left for long samples

**PRECISION CROSS FEED**

- | The table-integrated Z-axis maintains consistent cutting height while the automatic cross feed with serial cutting function delivers precise parallel cuts.
- | Simple and intuitive serial cutting
- | The multi-position process (MPP) allows more complex serial cutting to be carried out

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ОСОБЕННОСТИ / ПРОДОЛЖЕНИЕ

**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 12.1" 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

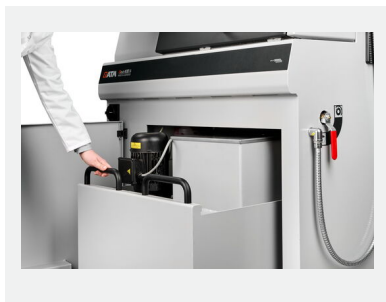
**CUTTING FORCE DEPENDENT FEED CONTROL (X- AND Y-AXIS)**

The feed rate automatically decreases when cutting force reaches a preset limit, protecting the machine, sample, and clamping tools from overloading.

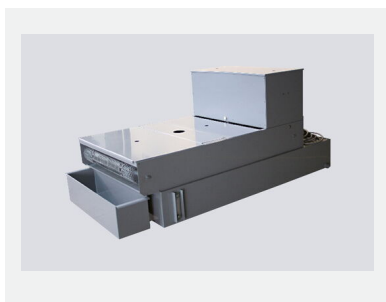
- | Time savings thanks to variable feed rate

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АКСЕССУАРЫ

**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 or 500 m³/h depending on voltage

QCUT 500 A

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.

QTOOL SERIES →

qatm.com/ru/products/cutting/clamping-tools/qtool-series/

CLAMPING TOOLS FOR SPECIAL APPLICATIONS →

qatm.com/ru/products/cutting/clamping-tools/clamping-tools-for-special-applications/

**QCUT 500 A**

PERFECT CUTTING — CUT-OFF WHEELS FROM QATM

Резка более надежна, безопасна и эффективна, если для ее обработки используются правильные ингредиенты: знания, забота и правильный выбор расходных материалов и инструментов.

К КАТАЛОГУ →

qatm.com/ru/products/consumables/cutting/



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ХАРАКТЕРИСТИКИ

Рабочий диск	до Ø 508 мм/20"
Макс. отрезная способность	Ø 190 мм
Размер фланца крепления диска	Ø 32/40 мм
Перемещение по оси X автоматическое	420 мм
Перемещение по оси Y автоматическое	280 мм
Перемещение по оси Z автоматическое (опция)	200 мм
Прецизионная ось Z	0,1 мм
Стол с перемещением по оси Z ШхГл	550 x 500 мм, нержавеющая сталь
Стол без перемещения по оси Z ШхГл	700 x 500 мм, нержавеющая сталь
Т-образный паз	12 мм
Скорость	Регулируемая скорость вращения 1000-2800 /1000-2400 об/мин
Потребляемая мощность	30 кВА
Мощность привода (основной привод)	15 кВт, SI режим работы
Габариты ШхВхГл	1300 x 1820 x 1250 мм
Вес	~ 1000 кг в зависимости от комплектации прибора



Qcut 500 A

ДАННЫЕ ЗАКАЗА

БАЗОВОЕ ОБОРУДОВАНИЕ

МАШИНА (ОБЯЗАТЕЛЬНЫЕ ЭЛЕМЕНТЫ)

M1832000	Qcut 500 A (Brillant 275) Базовый блок
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БЛОК ПИТАНИЯ (НЕОБХОДИМ — 1 ШТ.)

A1832000	Qcut 500 A подключение питания 400В/50Гц (3Ph/N/PE)
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A1832002	Qcut 500 A подключение питания 480В/60Гц (3Ph/PE)
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ЗАЩИТНЫЙ КОЖУХ ДЛЯ ДИСКА (НЕОБХОДИМ — 1 ШТ.)

A1832001	Qcut 500 A защитный кожух отрезного диска 432мм 17"
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A1832010	Qcut 500 A защитный кожух отрезного диска 508мм 20"
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ПОПЕРЕЧНАЯ ПОДАЧА (НЕОБХОДИМА — 1 ШТ.)

A1832008	Qcut 500 A Перемещение рабочего стола по оси X
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A1832011	Qcut 500 A Перемещение рабочего стола по оси X/Z
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РЕЦИРКУЛЯЦИОННАЯ СИСТЕМА (НЕОБХОДИМА — 1 ШТ.)

A1832005	Qcut 500 A Рециркуляционная система охлаждения 400В/50Гц (3Ph/PE)
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A1832006	Qcut 500 A Рециркуляционная система охлаждения 480В/60Гц (3Ph/PE)
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A6501000	Ленточная система охлаждения и фильтрации 285 400В/50Гц (3ф/заземление)
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A6501002	Ленточная система охлаждения и фильтрации 285 480В/60Гц (3ф/заземление)
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Z6501000	Комплект подключения ленточной системы фильтрации 285
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ОПЦИИ (ЗАКАЗЫВАЮТСЯ С МАШИНОЙ)

A1832004	Qcut 500 A Лазерный нивелир
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A1832007	Qcut 500 A centrifugal separator 400V 50Hz (3Ph/PE)
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A1832009	Qcut 500 A centrifugal separator 480V 60Hz (3Ph/PE)
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PRECISION CLAMPING DEVICES

Z1870063	Reduction ring Ø 30 mm
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Z1870069	Manual chuck Ø 44 mm
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QTOOL 80

Z2231203	Qtool 80 - 100mm
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Z2231204	Qtool 80 - 150mm
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02231243	Clamping jaw 40 mm
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Z2231215	Clamping jaws 70 mm
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02231245	Clamping jaw 40 mm bevelled
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02231246	Clamping jaw 40 mm cross prism
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Z2231216	Clamping jaws 70 mm slotted
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Z2231217	Clamping jaws 70 mm slotted prism
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ДАННЫЕ ЗАКАЗА / ПРОДОЛЖЕНИЕ

PRECISION CLAMPING DEVICES

QTOOL 80 VARIO

Z2231200	Qtool 80 Vario - 100 mm
Z2231201	Qtool 80 Vario - 150 mm
Z2231202	Qtool 80 Vario - 250 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

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
Z1340000	Поперечные тиски 80/100
Z1340001	Поперечные тиски 80/150

УГЛОВЫЕ И ПОВОРОТНЫЕ ТИСКИ

Z1304001	Угловые тиски 60
01304008	Щека V-образная для угловых тисков 60
Z1302000	Угловые тиски 80
01302016	Щека V-образная для угловых тисков 80

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ДАННЫЕ ЗАКАЗА / ПРОДОЛЖЕНИЕ

ROTATIG DEVICES

Z1870059	Rotation device type RD1
Z1891001	Rotation device type RD2.1

УНИВЕРСАЛЬНЫЕ ТИСКИ И АКСЕССУАРЫ

Z1350025	Clamping rail
01350022	Prism 120°
01350023	Prism slim
01350024	Prism 90°
01350025	Prism 90° high
Z1350002	Универсальный зажим Mono 61
Z1350004	Комплект Mono 61 в чемоданчике
Z1350011	Зажим универсальный Mono 132
Z1350005	Универсальные тиски Duo
Z1350006	Универсальный цепной зажим
92005796	Пятка V-образная продольная, для Mono/Piccolo
92005797	Пятка V-образная поперечная, для Mono/Piccolo
92005799	Пятка продольная, для Mono/Piccolo
92005800	Пятка поперечная, для Mono/Piccolo
92005798	Пятка стандартная, для Mono/Piccolo
Z1350007	Адаптер высоты Piccolo, 60мм
Z1350003	Адаптер высоты Mono, 74мм
95003172	Удлинитель рычага для Piccolo 54 и Mono 61
Z1304591	Фиксирующий болт M6 x 25 мм для универсальных зажимов
95003169	Fixing screw Piccolo M8 x 25
95003170	Fixing screw Piccolo M10 x 25
95003168	Fixing screw Mono M10 x 32
91001157	Т-гайка, M6 x 8, нержавеющая сталь
91001161	Т-гайка, M8 x 10, нержавеющая сталь
91001159	Т-гайка, M8 x 12, нержавеющая сталь
91001158	Т-гайка, M10 x 12, нержавеющая сталь

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СВЯЖИТЕСЬ С НАМИ →

qatm.com/ru/contact/contact-form/?prefilltext=contact_form.request&product=A01A09A

ЗАПРОС ПРЕДЛОЖЕНИЯ →

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