



ОТРЕЗНОЙ СТАНОК

QCUT 600 A

qatm.com/ru/products/cutting/large-cut-off-machines/qcut-600-a/

QCUT 600 A**ОТРЕЗНОЙ СТАНОК**

The Qcut 600 A represents the flagship of QATM's cut-off machine series, delivering maximum cutting capacity for large and heavy workpieces.

Its automatic travel and cross-feed functions enable precise, low-contact cutting while setting new standards in workspace efficiency, operational flexibility, and process automation.

**QCUT 600 A****ПРЕИМУЩЕСТВА ОБОРУДОВАНИЯ**

- | Maximum cutting capacity: Samples with a diameter of up to 244 mm can be easily cut
- | Industrial applications: Even the heaviest samples can be placed on the heavy-duty machine table using a forklift or crane
- | Multi-Position Process (MPP): Simultaneous positioning and automatic cutting of different components on the machine table

QCUT 600 A

SUPERIORITY IN DETAIL

1 | ERGONOMIC CONTROL PANEL

- | Large 12.1" industrial touchscreen with intuitive QATM software
- | Quick setup, control of all automatic axes with joystick
- | The sliding control panel enables unobstructed working conditions

2 | ROBUST MACHINE BODY

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

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: 750 × 600 mm (W × D)
- | Load capacity: up to 400 kg
- | Travel X: 550 mm, Y: 360 mm, Z: 550 mm

4 | LARGE CUTTING CHAMBER

- | Large sliding door provides easy access and visibility
- | Side swing door for convenient access to cutting chamber
- | Large side door for easy cut-off wheel replacement
- | 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)
- | Water-cooled main drive with 15 kW drive power



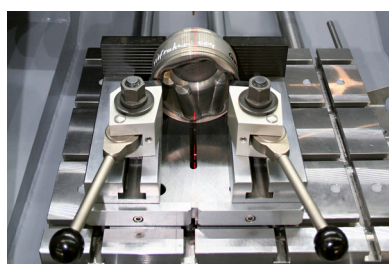
QCUT 600 A

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)



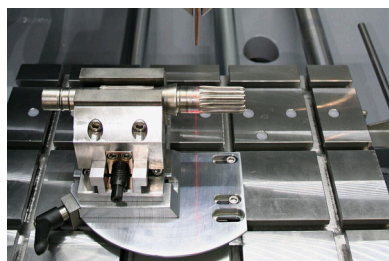
LASER ALIGNMENT

- | 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 steel 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

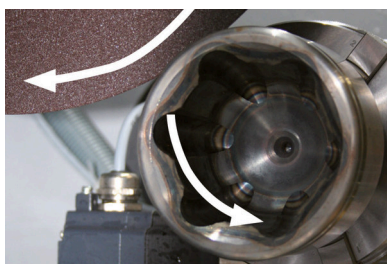


PRECISION CROSS FEED

- | 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



ROTATION TOOL

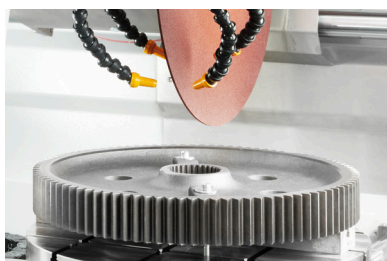
- | The optional rotation tool features a vertical rotary feed parallel to the wheel with software-controlled angle input.
- | More uniform cutting surfaces and cutting quality
- | Cutting time is halved for rotationally symmetrical parts
- | Protects against cut-off wheel run-out



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

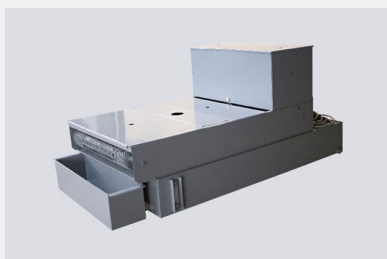
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АКСЕССУАРЫ



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 600 A

QTOOL CLAMPING DEVICES

Fast, Powerful, Flexible

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/

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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 600 мм/24"
Макс. отрезная способность	Ø 244 мм
Максимальная глубина среза отрезного диска	190 мм (режущий круг Ø 500 мм)
Размер фланца крепления диска	Ø 32/40 мм
Перемещение по оси X автоматическое	550 мм
Перемещение по оси Y автоматическое	360 мм
Движение по Z-оси автоматическое	550 мм
Прецизионная ось Z	0,1 мм
Габариты стола ШхГл	750 x 600 мм, нержавеющая сталь
T-образный паз	12 мм
Скорость	Регулируемая скорость 1000-2400 об/мин
Мощность привода (основной привод)	15 кВт SI
Потребляемая мощность	30 кВА
Габариты ШхВхГл	1488 x 1960 x 1477 мм
Вес	~ 1600 кг в зависимости от комплектации прибора



Qcut 600 A

ДАННЫЕ ЗАКАЗА

БАЗОВОЕ ОБОРУДОВАНИЕ

МАШИНА (ОБЯЗАТЕЛЬНЫЕ ЭЛЕМЕНТЫ)

M1831000	Qcut 600 A (Brillant 285) Базовый блок
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БЛОК ПИТАНИЯ (НЕОБХОДИМ - 1 ШТ.)

A1831000	Qcut 600 A подключение питания 400В/50Гц (3 фазы/нейтраль/заземление)
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A1831002	Qcut 600 A подключение питания 480В/60Гц (3 фазы/заземление)
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ЗАЩИТНЫЙ КОЖУХ ДЛЯ ДИСКА (НЕОБХОДИМ - 1 ШТ.)

A1831001	Qcut 600 A Защитный кожух отрезного диска 500мм
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A1831010	Qcut 600 A Защитный кожух отрезного диска 600мм
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СИСТЕМА РЕЦИРКУЛЯЦИИ (НЕОБХОДИМА - 1 ШТ.)

A1831005	Qcut 600 A рециркуляционная система охлаждения 400В/50Гц (3 фазы/заземление)
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A1831006	Qcut 600 A рециркуляционная система охлаждения 480В/60Гц (3 фазы/заземление)
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A6501000	Ленточная система охлаждения и фильтрования 285 400В/50Гц (3ф/заземление)
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A6501002	Ленточная система охлаждения и фильтрования 285 480В/60Гц (3ф/заземление)
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Z6501007	Комплект подключения ленточной системы фильтрования 285
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ОПЦИИ (ЗАКАЗЫВАЮТСЯ С МАШИНОЙ)

A1831003	Qcut 600 A automatic wheel measurement laser
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A1831004	Qcut 600 A Лазерный нивелир
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A1831007	Qcut 600 A центробежный сепаратор 400В/50Гц (3 фазы/заземление)
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A1831009	Qcut 600 A центробежный сепаратор 480В/60Гц (3 фазы/заземление)
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ДАННЫЕ ЗАКАЗА

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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QTOOL 80 VARIO

Z2231200	Qtool 80 Vario - 100 mm
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Z2231201	Qtool 80 Vario - 150 mm
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Z2231202	Qtool 80 Vario - 250 mm
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Z2231210	Workpiece stop
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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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ДАННЫЕ ЗАКАЗА

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

ROTATING DEVICES

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

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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	Удлиннитель 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	T-гайка, M6 x 8, нержавеющая сталь
91001161	T-гайка, M8 x 10, нержавеющая сталь
91001159	T-гайка, M8 x 12, нержавеющая сталь
91001158	T-гайка, M10 x 12, нержавеющая сталь

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СВЯЖИТЕСЬ С НАМИ →

qatm.com/ru/contact/contact-form/?prefilltext=contact_form.request&product=A01A10A

ЗАПРОС ПРЕДЛОЖЕНИЯ →

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