



ОТРЕЗНОЙ СТАНОК  
QCUT 600 A

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.

- | 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



ОТРЕЗНОЙ СТАНОК 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

**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

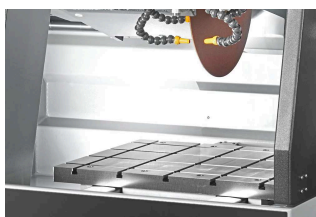
**5. Optimized swivel arm**

- | Highly efficient cooling system
- | Increased cutting capacity thanks to parallel guided cut-off wheel guard
- | Laser alignment aid for easy workpiece positioning
- | Water-cooled main drive with 15 kW drive power



## ОТРЕЗНОЙ СТАНОК QCUT 600 A

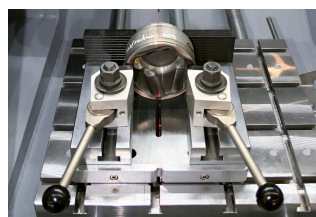
### ОСОБЕННОСТИ



#### 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 400 kg (including clamping devices)



#### LASER ALIGNMENT

Optional laser alignment projects the cutting line directly onto the workpiece, enabling precise positioning and exact cut placement.

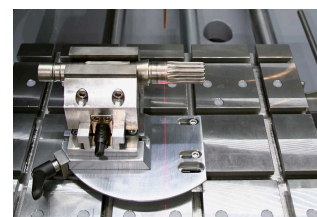
- | Easy positioning of workpieces
- | Precise clamping without much effort



#### 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.

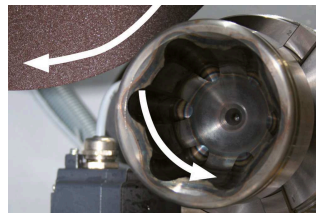
- | Machine body with integrable recirculating cooling unit and automatic central lubrication
- | Large cutting chamber access with safety interlock —



#### 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



### ROTATION TOOL

The optional rotation tool features a vertical rotary feed parallel to the wheel with software-controlled angle input.

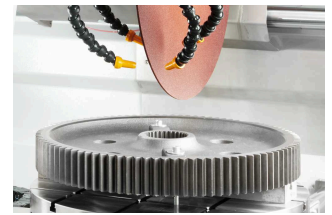
- | More uniform cutting surfaces and cutting quality
- | Cutting time is halved for rotationally symmetrical parts
- | Protects against cut-off wheel run-out



### 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

ОТРЕЗНОЙ СТАНОК QCUT 600 A

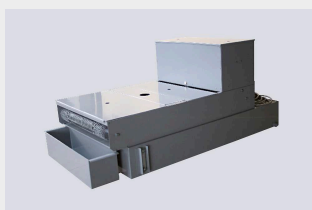
## АКСЕССУАРЫ



### 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 m<sup>3</sup>/h depending on voltage

## 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. The Qprep range includes specially developed cut-off wheels for a wide variety of materials and requirements.

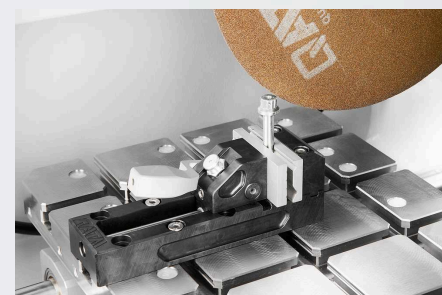
- | Low thermal influence on the specimen during the cutting process
- | Wet abrasive cutting achieves very fine surface finishes after cutting
- | Optimal cutting shortens the further preparation process



## 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.

- | Suitable for regular and irregularly shaped samples
- | Fast, repeat-accurate clamping of regularly shaped samples
- | Large range of different clamping tools and systems available



## ОТРЕЗНОЙ СТАНОК QCUT 600 А ХАРАКТЕРИСТИКИ



<b>Рабочий диск</b>	до $\varnothing$ 600 мм/24"
<b>Макс. отрезная способность</b>	$\varnothing$ 244 мм
<b>Скорость подачи</b>	0.001 - 50 mm/sec
<b>Максимальная глубина среза отрезного диска</b>	190 мм (отрезной диск $\varnothing$ 500 мм)
<b>Размер фланца крепления диска</b>	$\varnothing$ 32/40 мм
<b>Перемещение по оси X автоматическое</b>	550 мм
<b>Перемещение по оси Y автоматическое</b>	360 мм
<b>Движение по Z-оси автоматическое</b>	550 мм
<b>Прецизионная ось Z</b>	0,1 мм
<b>Габариты стола ШxГл</b>	750 x 600 мм, нержавеющая сталь
<b>T-образный паз</b>	12 мм
<b>Скорость</b>	Регулируемая скорость 1000-2400 об/мин
<b>Мощность привода (основной привод)</b>	15 кВт S1
<b>Потребляемая мощность</b>	30 кВА
<b>Габариты ШxВxГл</b>	1488 x 1960 x 1477 мм
<b>Вес</b>	~ 1600 кг в зависимости от комплектации прибора

[www.qatm.com/qcut-600-a](http://www.qatm.com/qcut-600-a)

## ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

### БАЗОВОЕ ОБОРУДОВАНИЕ

#### МАШИНА (ОБЯЗАТЕЛЬНЫЕ ЭЛЕМЕНТЫ)

M1831000  Qcut 600 A (Brillant 285) Базовый блок

#### БЛОК ПИТАНИЯ (НЕОБХОДИМ - 1 ШТ.)

A1831000 Qcut 600 A подключение питания 400В/50Гц (3 фазы/нейтраль/заземление)

A1831002 Qcut 600 A подключение питания 480В/60Гц (3 фазы/заземление)

#### ЗАЩИТНЫЙ КОЖУХ ДЛЯ ДИСКА (НЕОБХОДИМ - 1 ШТ.)

A1831001 Qcut 600 A Защитный кожух отрезного диска 500мм

A1831010 Qcut 600 A Защитный кожух отрезного диска 600мм

#### СИСТЕМА РЕЦИРКУЛЯЦИИ (НЕОБХОДИМА - 1 ШТ.)

A1831005  Qcut 600 A рециркуляционная система охлаждения 400В/50Гц (3 фазы/заземление)

A1831006 Qcut 600 A рециркуляционная система охлаждения 480В/60Гц (3 фазы/заземление)


A6501000  Ленточная система охлаждения и фильтрования 285 400В/50Гц (3ф/заземление)

A6501002  Ленточная система охлаждения и фильтрования 285 480В/60Гц (3ф/заземление)

Z6501007 Комплект подключения ленточной системы фильтрования 285

### ОПЦИИ (ЗАКАЗЫВАЮТСЯ С МАШИНОЙ)

A1831003 Qcut 600 A automatic wheel measurement laser

A1831004  Qcut 600 A Лазерный нивелир

A1831007 Qcut 600 A центробежный сепаратор 400В/50Гц (3 фазы/заземление)

A1831009 Qcut 600 A центробежный сепаратор 480В/60Гц (3 фазы/заземление)

## PRECISION CLAMPING DEVICES, CLAMPING\_DEVICES, PRECISION\_CLAMPING\_DEVICES

Z1870063	Reduction ring Ø 30 mm, Clamping_devices, Precision_clamping_devices
Z1870069	Manual chuck Ø 44 mm, Clamping_devices, Precision_clamping_devices

## QUICK CLAMPING TOOLS, CLAMPING\_DEVICES

### QTOOL 80, CLAMPING\_DEVICES, QTOOL\_SERIES

Z2231203	Qtool 80 - 100mm, Clamping_devices, Qtool_series
Z2231204	Qtool 80 - 150mm, Clamping_devices, Qtool_series
02231243	Clamping jaw 40 mm, Clamping_devices, Qtool_series
Z2231215	Clamping jaws 70 mm, Clamping_devices, Qtool_series
02231245	Clamping jaw 40 mm bevelled, Clamping_devices, Qtool_series
02231246	Clamping jaw 40 mm cross prism, Clamping_devices, Qtool_series
Z2231216	Clamping jaws 70 mm slotted, Clamping_devices, Qtool_series
Z2231217	Clamping jaws 70 mm slotted prism, Clamping_devices, Qtool_series

### QTOOL 80 VARIO, CLAMPING\_DEVICES, QTOOL\_SERIES

Z2231200	Qtool 80 Vario - 100 mm, Clamping_devices, Qtool_series
Z2231201	Qtool 80 Vario - 150 mm, Clamping_devices, Qtool_series
Z2231202	Qtool 80 Vario - 250 mm, Clamping_devices, Qtool_series
Z2231210	Workpiece stop, Clamping_devices, Qtool_series
02231200	Clamping jaw, 40 mm - for Qtool 80 Vario, Clamping_devices, Qtool_series
Z2231211	Clamping jaws, 70 mm, Clamping_devices, Qtool_series
02231213	Prism jaw, 40 mm, Clamping_devices, Qtool_series
02231229	Bevelled jaw, 40 mm, Clamping_devices, Qtool_series
02231230	Cross prism jaw, 40 mm, Clamping_devices, Qtool_series
Z2231212	Round bar jaws, 70 mm slotted, Clamping_devices, Qtool_series
Z2231213	Prism jaws, 70 mm slotted, Clamping_devices, Qtool_series
Z2231214	Clamping jaws, 70 mm slotted, Clamping_devices, Qtool_series

## POWER CLAMPING SYSTEMS, CLAMPING\_DEVICES, POWER\_CLAMPING\_SYSTEMS

### POWER CLAMPING SYSTEM 100-540, CLAMPING\_DEVICES, POWER\_CLAMPING\_SYSTEMS

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

### POWER CLAMPING SYSTEM LC 90, CLAMPING\_DEVICES, POWER\_CLAMPING\_SYSTEMS

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

## БЫСТРО-ЗАЖИМНЫЕ СИСТЕМЫ, CLAMPING\_DEVICES, EASY\_CLAMPING\_PLATES

## CLAMPING ACCESSORIES FOR ROTATING, SWIVELING AND SPECIAL APPLICATIONS, CLAMPING\_DEVICES, CLAMPING\_ACCESSORIES\_SPECIALS

Z1304636	Expansion clamping device, Clamping_devices, Clamping_accessories_specials
Z1340000	 Поперечные тиски 80/100, Clamping_devices, Clamping_accessories_specials
Z1340001	Поперечные тиски 80/150, Clamping_devices, Clamping_accessories_specials




### УГЛОВЫЕ И ПОВОРОТНЫЕ ТИСКИ, CLAMPING\_DEVICES, CLAMPING\_ACCESSORIES\_SPECIALS

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

## ROTATIG DEVICES, CLAMPING\_DEVICES, ROTATION\_DEVICES

Z1870059	Rotation device type RD1, Clamping_devices, Rotation_devices
Z1891001	Rotation device type RD2.1, Clamping_devices, Rotation_devices

## УНИВЕРСАЛЬНЫЕ ТИСКИ И АКСЕССУАРЫ, CLAMPING\_DEVICES, UNIVERSAL\_VICES\_AND\_ACCESSORIES

Z1350025	Clamping rail, Clamping_devices, Universal_vices_and_accessories
01350022	Prism 120°, Clamping_devices, Universal_vices_and_accessories
01350023	Prism slim, Clamping_devices, Universal_vices_and_accessories
01350024	Prism 90°, Clamping_devices, Universal_vices_and_accessories
01350025	Prism 90° high, Clamping_devices, Universal_vices_and_accessories
Z1350002	 Универсальный зажим Mono 61, Clamping_devices, Universal_vices_and_accessories
Z1350004	 Комплект Mono 61 в чемоданчике, Clamping_devices, Universal_vices_and_accessories
Z1350011	 Зажим универсальный Mono 132, Clamping_devices, Universal_vices_and_accessories
Z1350005	Универсальные тиски Duo, Clamping_devices, Universal_vices_and_accessories
Z1350006	Универсальный цепной зажим, Clamping_devices, Universal_vices_and_accessories
92005796	Пятка V-образная продольная, для Mono/Piccolo, Clamping_devices, Universal_vices_and_accessories
92005797	Пятка V-образная поперечная, для Mono/Piccolo, Clamping_devices, Universal_vices_and_accessories
92005799	Пятка продольная, для Mono/Piccolo, Clamping_devices, Universal_vices_and_accessories

92005800	Пятка поперечная, для Mono/Piccolo, Clamping_devices, Universal_vices_and_accessories
92005798	Пятка стандартная, для Mono/Piccolo, Clamping_devices, Universal_vices_and_accessories
Z1350007	Адаптер высоты Piccolo, 60мм, Clamping_devices, Universal_vices_and_accessories
Z1350003	Адаптер высоты Mono, 74мм, Clamping_devices, Universal_vices_and_accessories
95003172	Удлинитель рычага для Piccolo 54 и Mono 61, Clamping_devices, Universal_vices_and_accessories
Z1304591	Фиксирующий болт M6 x 25 мм для универсальных зажимов, Clamping_devices, Universal_vices_and_accessories
95003169	Fixing screw Piccolo M8 x 25, Clamping_devices, Universal_vices_and_accessories
95003170	Fixing screw Piccolo M10 x 25, Clamping_devices, Universal_vices_and_accessories
95003168	Fixing screw Mono M10 x 32, Clamping_devices, Universal_vices_and_accessories
91001157	T-гайка, M6 x 8, нержавеющая сталь, Clamping_devices, Universal_vices_and_accessories
91001161	T-гайка, M8 x 10, нержавеющая сталь, Clamping_devices, Universal_vices_and_accessories
91001159	T-гайка, M8 x 12, нержавеющая сталь, Clamping_devices, Universal_vices_and_accessories
91001158	T-гайка, M10 x 12, нержавеющая сталь, Clamping_devices, Universal_vices_and_accessories