



精密切断機

QCUT 200 A

qatm.com/jp/products/cutting/precision-cut-off-machines/qcut-200-a/

QCUT 200 A

精密切断機

Qcut 200 Aは、最大203 mm / 8" サイズのカットオフホイールを使用する、最大3つの自動軸を備えた精密カットオフマシンです。

Qcut 200 Aは、最大3軸 (X、Y、Z) の自動軸と多数の切断機能を備え、最高の柔軟性とスペース利用を実現するコンパクトな精密切断機です。モジュール設計により、Qcut 200 Aは多くのオプションと適切なクランプツールを最適に装備することが可能です。



QCUT 200 A

長所

- バックラッシュフリーベアリング搭載の全自動精密軸
- カットオフホイールの摩耗を最大15%低減する、同等機より約25%流量が多い新冷却システム
- 自動洗浄機能
- 切断加工用ソフトの新機能
- 切断砥石交換の簡略化
- Dressing device
- モジュラーアダプタブルターニングデバイスの新製品

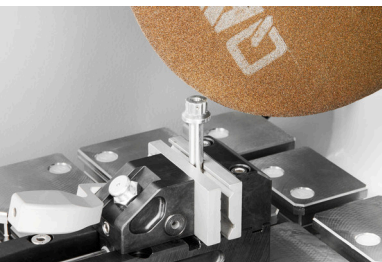
QCUT 200 A

特長



高い安全性が求められる

- Due to the enabling switch, the machine can only be positioned via the two-hand control when the door is open.
- The risk of crushing for the machine operator is virtually eliminated



インテリジェントなコンポーネント検出

- Proven automatic component detection and a new type of exit detection (auto-stop function)
- Start and end points of the cutting process are automatically detected and process times are shortened



HIGHEST PRECISION THANKS TO ROBUST DESIGN

- Durable and low vibration thanks to stable construction
- Cutting or grinding (using a cup wheel) of delicate samples with maximum precision
- Excellent access to the cutting chamber thanks to large sliding door
- Quick and secure attachment of versatile clamping devices on the large machine table



直感的でシンプルな操作性

- Large 7" industrial touchscreen with ergonomic user guidance
- Easy operation of the user-friendly software
- Comfortable movement of automatic axes using the Joystick

QCUT 200 A

特長（続き）

QCUT 200 A



フローモニタリング

- Optional flow monitoring ensures constant cooling of sensitive samples even during long cutting processes
- The cutting process is automatically interrupted as soon as a critical threshold value is reached



自動洗浄機能

- Fully automatic machine cleaning thanks to spiral nozzles in the cutting chamber
- Cleaning can be switched on individually and starts automatically after each cut if required
- Clear view during the cutting process: cleaning can be activated during the running process



豊富なカッティングプログラム

- Depending on the geometry of the component, the travel or chop cut is used to minimize the contact area to the cut-off wheel
- Cut the workpiece layer by layer and optimize the angle of action using the step cut functions – particularly suitable for solid material

用途

地質学や鉱物学

地質学や鉱物学のアプリケーションに最適です。

地質学と鉱物学のための準備ガイド → qatm.com/jp/applications/geology-and-mineralogy/

QCUT 200 A

制限のない切断

1 | カuttingチャンバーフラッシング

- | カuttingチャンバーの自動洗浄

3 | 人間工学に基づいた操作パネル

- | 大型7インチTFTタッチディスプレイ
- | ジョイスティックによる手動操作

5 | アクセサリ

- | クランプの可能性は、回転装置やさらなるクランプ装置によって個別に拡張可能です。

7 | ドレッシング装置

- | ダイヤモンドの切断砥石や研削砥石の研ぎ出し用
- | 外側から手動で操作することが可能

2 | 大型マシンテーブル

- | バックラッシュのない軸の位置決めが可能
- | QATMクランプデバイスを簡単に装着できるイーザーグループ
- | T-slots 8 mm for individual clamping devices
- | 最大幅×高さ：300mm×210mm

4 | LASER ALIGNMENT

- | 切断前の部品位置決めを正確に行うことができます。
- | 標準で付属しています

6 | 切断砥石ロック

- | ロック機能により、切断砥石の交換が容易。
- | 潤滑油内蔵オプション

8 | CENTRIFUGAL SEPARATOR

- | Effective removal of coolant mist from the sectioning process



OPTIMAL ACCESSORIES FOR QCUT 150 A AND 200 A

RECIRCULATION COOLING SYSTEMS

Optimal cooling is essential during sectioning. Excessive heat generation during the sectioning process damages the specimen and increases the wear of the cut-off wheel. The cooling and corrosion protection agent dissipates the heat and simultaneously removes the chips from the cut-off chamber.



15L RECIRCULATION COOLING SYSTEM

- | Portable system with filter cartridge and lid
- | Small footprint required
- | Easy to integrate into existing laboratory furniture
- | Two-chamber system for filtration



45L RECIRCULATION COOLING SYSTEM (MOBILE)

- | Mobile unit with inlet strainer, filter bag and overflow
- | Can be placed under a lab bench or floor-to-ceiling cabinet
- | Expandable with optional pump module for cut-off chamber flushing
- | Two-chamber system for filtration with removable separating slide



45L RECIRCULATION COOLING SYSTEM (SYSTEM LAB)

- | Mobile unit with retractable mechanism
- | Can be conveniently integrated into QATM system laboratory cabinets and cabinets with undershelves
- | Expandable with optional pump module for cut-off chamber flushing
- | Inlet strainer, filter bag and overflow
- | Two-chamber system for filtration with removable separating slide

QCUT 200 A

クランプ装置と消耗品

豊富なアクセサリー

新開発の真空クランプユニットにより、薄切片用のスライドガラスを滑らせることなく簡単に固定することができます。



QCUT 200 A

高速、パワフル、フレキシブル - QTOOLSのクランプ装置

当社の革新的なクランプ装置は、ワークを確実かつ正確にクランプし、正確な切断・研磨加工を実現します。特定の用途やワークサイズに合わせて開発された様々なクランプ装置があります。

精密クランプ装置 → qatm.com/jp/products/cutting/clamping-tools/precision-clamping-tools/



パーフェクトカット - QPREPの消耗品

加工要件（知識、慎重な加工、消耗品と機器の正しい選択）を充足することで、信頼性、安全性、効率性の高い切断が実現します。

製品ラインナップ →

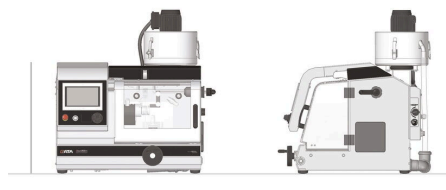
qatm.com/jp/products/consumables/cutting/



QCUT 200 A

製品仕様

QCUT 200 A



切断ホイール	φ 203 mm / 8インチまで
最大切断容量	75mm(カットオフホイールφ200mm)
切断砥石のフランジ	φ 12,7mm
X軸	210 mm (手動/自動)
Y軸	80 mm (自動)
Z軸(オプション)	80 mm (自動)
供給率	0.005-20 mm/s
Z- 軸移動	0,005mm
min.クロスフィード(Z軸)	0,001mm
Z軸のないテーブル (幅×奥行き)	300x210mm
Z軸付きテーブル (WxD)	0.005~3mm/秒
T-スロット	8mm
回転速度	300 - 5,000rpm
駆動電力 (メイン駆動)	0,75 kW、S1
接続ロード	2,2 kVA
WxHxD	725×535×675mm
重量	~ 82 kg

QCUT 200 A

注文データ

BASIC EQUIPMENT

MACHINE (1 ITEM REQUIRED)

M1891000	Qcut 200 A Base machine 200-240V, 50/60Hz
M1891001	Qcut 200 A Base machine 100-120V, 50/60Hz

CROSS FEED (1 ITEM REQUIRED)

A1891000	Qcut 200 A automatic X, Y axis
A1891001	Qcut 200 A automatic X, Y, Z axis

OPTIONS (TO BE ORDERED WITH MACHINE)

A1891003	Qcut 200 A cutting chamber cleaning
A1891004	Qcut 200 A flow monitoring
A1891005	Qcut 200 A preparation rotation device
Z1891000	Qcut 200 A dressing device
A1891008	Preparation centrifugal separator
Z1891006	Centrifugal separator
A1891002	Preparation fresh water cooling system

RECIRCULATION SYSTEM (1 ITEM REQUIRED)

Z5800011	Qcut 200 A recirculation cooling system 15 Ltr.
Z5800012	Qcut 200 A recirculation cooling system 45 Ltr., mobile
Z5800013	Qcut 200 A recirculation cooling system 45 Ltr., for system lab
Z5800014	Pump module recirculation cooling
Z5800015	Pump module chamber cleaning (not usable with cooling system 15 Ltr.)

OPTIONS (CAN BE ORDERED SEPARATELY)

Z1800002	Sample collector
Z1891001	Rotation device type RD2.1
Z1870050	Flange set Ø 59 mm
Z1870051	Flange set Ø 99 mm
Z1870052	Flange set Ø 139 mm

注文データ

PRECISION CLAMPING DEVICES

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
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

注文データ

QUICK CLAMPING TOOLS

QUICK CLAMPING TOOLS

QTOOL 40

Z2270201	Qtool 40 S
Z2270200	Qtool 40
02270202	Clamping jaw 25 mm - for Qtool 40
Z2270202	Clamping jaws 45 mm - for Qtool 40
02270212	Clamping jaw 25 mm bevelled - for Qtool 40
02270213	Clamping jaw 25 mm cross prism - for Qtool 40
Z2270203	Clamping jaws 45 mm slotted - for Qtool 40
Z2270204	Clamping jaws 45 mm slotted prism - for Qtool 40

QTOOL 60

Z2235200	Qtool 60
02235202	Clamping jaw 32 mm - for Qtool 60
Z2235201	Clamping jaws 60 mm - for Qtool 60
02235212	Clamping jaw 32 mm bevelled - for Qtool 60
02235213	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

EASY-CLAMPING PLATES

Z2236030	Easy-clamping plate S
Z2236031	Easy-clamping plate S with rotating unit
Z2236035	Easy-clamping plate M

ACCESSORIES FOR EASY-CLAMPING PLATES

Z2236032	Easy adaption horizontal
Z2236033	Easy adaption vertical
Z2236034	Easy adaption Qtool 40 - 60
Z2236038	Multitower rotating plate
Z2236039	Multitower
Z2236040	Swivel unit Qtool 40 - 60
Z2236036	Easy-multifunctional plate

注文データ

CLAMPING ACCESSORIES

CLAMPING ACCESSORIES FOR ROTATING, SWIVELING AND SPECIAL APPLICATIONS

Z1304643	Screw clamper with Easy-clamping plate M
Z1304636	Expansion clamping device
Z2236009	Vertical clamp single
Z2236010	Vertical clamp double
Z2234010	Clamping system X-Clamp 3858

UNIVERSAL VICES AND ACCESSORIES

01350022	Prism 120°
01350023	Prism slim
01350024	Prism 90°
Z1350008	Universal vice Piccolo 54
Z1350010	Suitcase set universal vice Piccolo 54
Z1350012	Universal vice Piccolo 100
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

QCUT 200 A

お問い合わせ →

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見積依頼 →

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