



切割机

QCUT 250 A

Qcut 250 A 是一款紧凑灵活的半自动砂轮切割机，配有 **254 毫米/10 英寸** 切割轮，可切割直径达 **95 毫米** 的工件或样品。该机器既有手动切割机的优点和速度，又有自动砂轮切割机的优点。

半自动 Qcut 250 A 配备了手柄和自动手柄制动器，可单手操作，使垂直切割或切割轮定位比以前更容易。带 T 型槽的切割台由不锈钢制成，既可与动态自动驱动装置配合使用（允许脉冲切割），也可在手动模式下通过手轮操作（横向切割）。Qcut 250 A 采用久经考验的 QATM 脉冲切割技术，即使切割最难加工的材料，也能获得出色的切割效果。同时拥有自动 X 轴可在大型工件直切时实现温和切割（摆动式切割）。

对于更复杂的切割任务，Qcut 250 A 可选配自动横向工作台，以执行连续切割。在设置和操作过程中，通过行程测量对各轴进行监控。



[点击观看视频](#)

优点

- | 带有机电操纵杆制动器的手动 Y 轴
- | Care-cut: 助力于温和切割
- | 7 英寸触屏操作界面，直观的 QATM 用户软件控制
- | 自动 X 轴及由手柄实现的手动行程
- | 切割力相关的进给控制（X 轴）
- | 切割室优异的 LED 照明
- | 在切割序列期间，平行设置的切割轮防护罩增加了切割能力
- | 两侧开口用于长工件



性能指标

精细动态切割

通过手动切割运动，切割力通过一组齿轮进行调节。因此，切割时不会出现晃动，而且更加精确。使用方便的操纵杆制动器可将切割轮固定在任何位置。

水平运动

通过手动水平移动或自动移动，可以纵向切割较长的工作，并方便地将样品放置在切割轮下方。在脉冲切割模式下，样品材料被切割得特别平缓。

直观的控制软件

新的控制软件集成了丰富的维护菜单，使操作简单舒适。

自动横移

自动 Z 轴可以 0.1 毫米的精度进行调整，以实现平行切割。

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超凡细节

1. 大尺寸切割试台

- 轴可以无反弹定位
- 简洁的凹槽设计，便于 QATM 夹具的安装
- 用于单独夹具的 12 毫米 T 型槽
- 最大 宽 x 高: 380 mm x 270 mm (不带 Z-axis), 否则 300 mm x 270

2. 人体工学控制面板

- 10,1" 彩色触摸屏
- 用于手动操作的操纵杆

3. 激光辅助定位

- 用于切割前工件的精确定位

4. 切割轮锁定

5. 侧开口

- 用于切割前工件的精确定位

6. 坚固的外壳

- 坚固的粉末涂层铝质结构

7. 平行导向的切割轮罩盖

- 交叉切割能力的提升

8 大型手动操纵杆

- 带自动锁定制动器的手动操纵杆，用于精确的横向切割



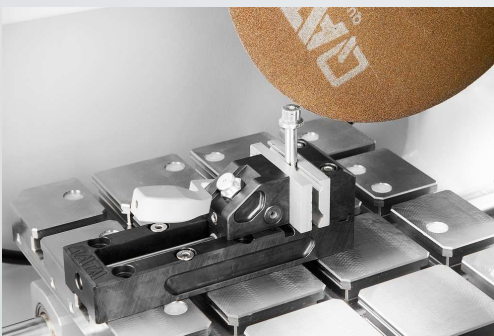
通过锁定机制和简易螺母系统实现简化的切割轮更换操作

完美的切割 - 由QPREP耗材保证

当使用正确的元素: 知识、保养和正确选择耗材和切割机进行加工时, 切割更可靠、更安全、更高效。

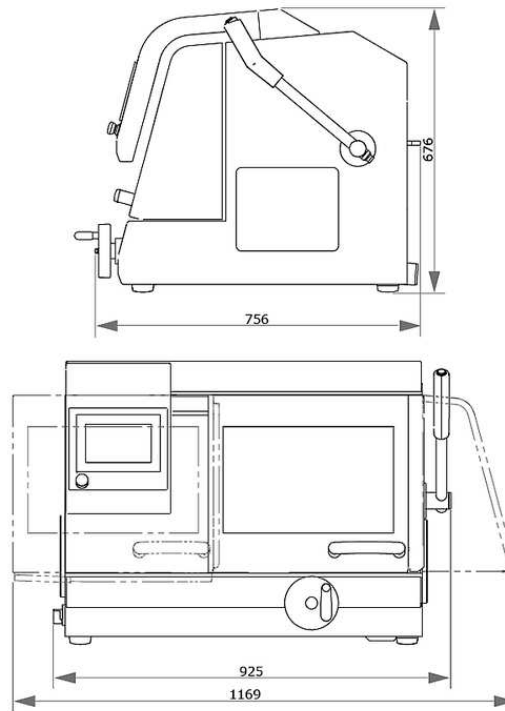
快速、强大、灵活-QTOOLS 夹具

我们创新的夹具用于安全、精确地夹紧工件, 以确保精确的切割和磨削过程。针对特定的应用和工件尺寸, 我们已经开发了各种不同的夹具。



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技术参数



切割轮	可达254mm/10"
最大切割能力	ø 95 mm
X轴 自动 & 手动	225 mm
Y轴行距 手动	170 mm
Z-轴自动 (可选)	120 mm
Z轴精度	0.1 mm
载物台 (不含Z轴) 宽x深	380 x 270 mm
载物台 (含Z轴) 宽x深	300 x 270 mm
T型槽	12 mm
连接电源	5.5 kVA
工作功率 (主载荷)	3 kW, S1; 4 kW, S3/60%
转速	3015 rpm at 50Hz and 3100 rpm at 60Hz
宽 x 高 x 深	925 x 676 x 756 mm
重量 (取决于设备)	~ 130 kg

www.qatm.cn/qcut-250-a

ORDER DATA

BASIC EQUIPMENT

MACHINE (ALL ITEMS REQUIRED)

M1822000		Qcut 250 A (Brillant 240) Base machine
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POWER SUPPLY (1 ITEM REQUIRED)

A1822001	Qcut 250 A power connection 400V/50Hz (3Ph/PE)
A1822002	Qcut 250 A power connection 480V/60Hz (3Ph/PE)
A1822003	Qcut 250 A power connection 220V/60Hz (3Ph/PE)

TABLE DRIVE BRILLANT (1 ITEM REQUIRED)

A1822004	Qcut 250 A X-Axis aut.&manual / without Z-Axis
A1822005	Qcut 250 A X-Axis aut.&manual / Z-Axis aut.

RECIRCULATION SYSTEM (1 ITEM REQUIRED)

A5800484		Recirculation Cooling System 45L 400V/50Hz (3Ph/PE) mobile, with insertion mechanism
A5800485		Recirculation Cooling System 45L 480V/60Hz (3Ph/PE) mobile, with insertion mechanism
A5800486		Recirculation Cooling System 45L 220V/60Hz (3Ph/PE) mobile, with insertion mechanism
A5800487		Recirculation Cooling System 45L 400V/50Hz (3Ph/PE) mobile, without folding wheels
A5800488		Recirculation Cooling System 45L 480V/60Hz (3Ph/PE) mobile, without folding wheels
A5800489		Recirculation Cooling System 45L 220V/60Hz (3Ph/PE) mobile, without folding wheels
A6501009		Belt filter 130 - 400V/50Hz (3Ph/PE)

A6501011		Belt filter 130 - 480V/60Hz (3Ph/PE)
A6501010		Belt filter 130 - 220V/60Hz (3Ph/PE)
Z6501004		Connection set belt filter 130

OPTIONS (TO BE ORDERED WITH MACHINE)

A1822006		Qcut 250 A laser alignment aid
A1822007		Qcut 250 A centrifugal separator 400V 50Hz/480V 60Hz
A1822008		Qcut 250 A centrifugal separator 220V 60Hz

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
Z1870049	Matrix 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

QTOOL 60

Z2235200	Qtool 60
O2235202	Clamping jaw 32 mm - for Qtool 60
Z2235201	Clamping jaws 60 mm - for Qtool 60
O2235212	Clamping jaw 32 mm bevelled - for Qtool 60
O2235213	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

QTOOL 80

Z2231203	Qtool 80 - 100mm
O2231243	Clamping jaw 40 mm
Z2231215	Clamping jaws 70 mm
O2231245	Clamping jaw 40 mm bevelled
O2231246	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
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

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

CLAMPING ACCESSORIES FOR ROTATING, SWIVELING AND SPECIAL APPLICATIONS

Z2236041	Swivel unit Qtool 60 - 80
Z1304643	Screw clasper with Easy-clamping plate M
Z1304636	Expansion clamping device
Z2236009	Vertical clamp single
Z2236010	Vertical clamp double

Z2234010 Clamping system X-Clamp 3858

CROSS VICES

Z1340010 Cross vice 50 - 100



ANGLE AND ROTATING VICES

Z1304001 Angle vice 60

01304008 Prism jaw angle vice 60

ROTATING DEVICES

Z1870059 Rotation device type RD1

Z1891001 Rotation device type RD2.1

UNIVERSAL VICES AND ACCESSORIES

01350022 Prism 120°

01350023 Prism slim

01350024 Prism 90°

01350025 Prism 90° high

Z1350008 Universal vice Piccolo 54



Z1350010 Suitcase set universal vice Piccolo 54



Z1350012 Universal vice Piccolo 100



Z1350002 Universal vice Mono 61



Z1350004 Suitcase set universal vice Mono 61



Z1350011 Universal vice Mono 132



Z1350005	Universal vice Duo
Z1350006	Chain vice set
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