



切割机

BRILLANT 230

BRILLANT 230是一款精密动态的手动湿式砂轮切割机，最大切割能力可达 $\varnothing 110\text{ mm}$ 。宽敞的切割室可完成各类夹紧操作。坚固的铝制左侧、右侧开口可用于切割连续的长形工件。

优点

- | 具有大切割平台的大切割空间
- | 宽敞的切割空间
- | 仪器两侧的开口可以切割较长的样品
- | 大工作台，且X方向距离可调
- | 滑动门和侧门可同时打开，使得操作更加便易。
- | 简单易用
- | 符合最新安全标准的门互锁系统
- | 带有陶瓷保护装置的法兰
- | 快速装卸螺母设计，方便更换切割片
- | 切割室带有可灵活转动的LED照明系统
- | 多种样品夹具和夹持系统可供选择
- | 坚固的铝壳设计，表面为粉末涂层

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。

创新细节

滑动前门和带安全联锁的侧门可以方便地进入切割室。此外，切割室的LED照明灯也非常节能。芯轴通过一个可更换环来防止磨损。

手动水平移动

通过手动水平移动，可以纵向切割长工件，并方便地将样品放置在切割轮下方。

Z 轴

手动 Z 轴的调整精度为 0.1 毫米，可进行平行切割。

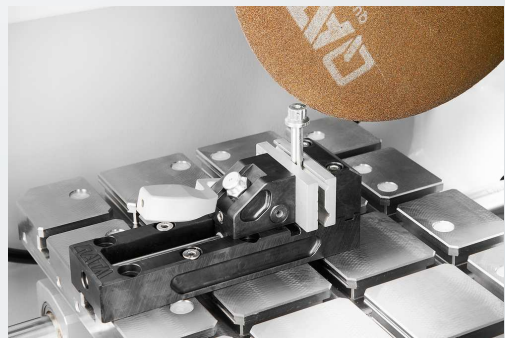
完美的切割 - 由QPREP耗材保证

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。



湿式砂轮切割机 BRILLANT 230

技术参数

切割轮	up to ø 300 mm/12"
最大切割能力	ø 110 mm
切割轮法兰尺寸	ø 32 mm
Y轴（垂直移动）	125 mm
载物台 宽x深	380 x 250 mm, 不锈钢
T型槽	12 mm
连接电源	6 kVA
工作功率（主载荷）	4 kW S1
转速	2750 rpm
宽 x 高 x 深	830 x 640 x 670 mm
重量	ca. 130 kg

www.qatm.cn/brillant-230

ORDER DATA

BASIC EQUIPMENT

MACHINE (ALL ITEMS REQUIRED)

M1820000  Brillant 230 Base machine

POWER SUPPLY (1 ITEM REQUIRED)

A1820015 Brillant 230 power supply 400V/50Hz (3Ph/PE)

A1820016 Brillant 230 power supply 480V/60Hz (3Ph/PE)

A1820017 Brillant 230 power supply 220V/60Hz (3Ph/PE)

WHEEL GUARD (1 ITEM REQUIRED)

A1820013 Brillant 230/250 wheel guard 250mm (10")

A1820014 Brillant 230/250 wheel guard 300mm (12")

TABLE DRIVE BRILLANT (1 ITEM REQUIRED)

A1820028 Brillant 230 without X-axis, without Z-axis

A1820029 Brillant 230 manual X-axis, without Z-axis

A1820030 Brillant 230 without X-axis, manual Z-axis

A1820031 Brillant 230 manual X-axis, manual Z-axis

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)

A1820027		Brillant 230 laser alignment aid
Z1820009		Centrifugal separator (machine mounted) 400V/50Hz/3 Ph
Z1820012		Centrifugal separator (machine mounted) 480V/60Hz/3 Ph
Z1820011		Centrifugal separator (machine mounted) 220V/60Hz/3 Ph

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
01870288	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
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

QTOOL 80

Z2231203	Qtool 80 - 100mm
02231243	Clamping jaw 40 mm
Z2231215	Clamping jaws 70 mm
02231245	Clamping jaw 40 mm bevelled

02231246	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 clammer 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
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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