



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 $\varnothing 110$  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。

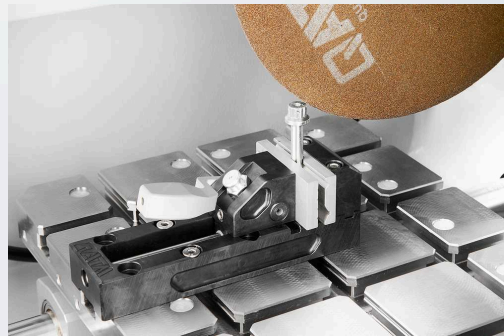
### 完美的切割 - 由QPREP耗材保证

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 $\varnothing$ 300 mm/12"
最大切割能力	$\varnothing$ 110 mm
切割轮法兰尺寸	$\varnothing$ 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](http://www.qatm.cn/brillant-230)

## ORDER DATA

### BASIC EQUIPMENT

#### MACHINE (ALL ITEMS REQUIRED)

M1820000		Brillant 230 Base machine
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#### 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, CLAMPING\_DEVICES, PRECISION\_CLAMPING\_DEVICES

Z1870035		Sample holder L standard Ø 40 mm open, Clamping_devices, Precision_clamping_devices
Z1870037		Sample holder L standard Ø 40 mm closed, Clamping_devices, Precision_clamping_devices
Z1870039		Sample holder L Flex Ø 40 mm, Clamping_devices, Precision_clamping_devices
Z1870043		Sample holder L parallel clamping vice open, Clamping_devices, Precision_clamping_devices
Z1870041		Sample holder L parallel clamping vice closed, Clamping_devices, Precision_clamping_devices
Z1870045		Drop shape sample holder L Ø 40 mm, Clamping_devices,

Precision_clamping_devices	
Z1870047	Universal clamping vice L, Clamping_devices, Precision_clamping_devices
Z1870049	Matrix clamping vice L, Clamping_devices, Precision_clamping_devices
Z1870054	Mini vice L, Clamping_devices, Precision_clamping_devices
Z1870056	Double parallel vice L, Clamping_devices, Precision_clamping_devices
Z1870058	Adaptor with ball joint L, Clamping_devices, Precision_clamping_devices
Z1870064	Reduction ring Ø 25 mm, Clamping_devices, Precision_clamping_devices
Z1870063	Reduction ring Ø 30 mm, Clamping_devices, Precision_clamping_devices
Z1870071	Reduction ring Ø 40 mm, Clamping_devices, Precision_clamping_devices
Z1870067	Reduction ring 1", Clamping_devices, Precision_clamping_devices
Z1870066	Reduction ring 1 1/4", Clamping_devices, Precision_clamping_devices
Z1870065	Reduction ring 1 1/2", Clamping_devices, Precision_clamping_devices
Z1870068	Manual chuck Ø 32 mm, Clamping_devices, Precision_clamping_devices
Z1870069	Manual chuck Ø 44 mm, Clamping_devices, Precision_clamping_devices
Z1870070	Manual chuck Ø 56 mm, Clamping_devices, Precision_clamping_devices

VACUUM CLAMPING VICES, CLAMPING_DEVICES, PRECISION_CLAMPING_DEVICES	
Z1870028	Vacuum sample holder, Clamping_devices, Precision_clamping_devices
O1870288	Vacuum holder (sacrificial plate), Clamping_devices, Precision_clamping_devices
Z1304600	Vacuum pump 230V/50Hz for vacuum sample holder, Clamping_devices, Precision_clamping_devices
Z1304634	Vacuum pump 110V/60Hz for vacuum sample holder, Clamping_devices, Precision_clamping_devices

## QUICK CLAMPING TOOLS, CLAMPING\_DEVICES

QTOOL 60, CLAMPING_DEVICES, QTOOL_SERIES	
Z2235200	Qtool 60, Clamping_devices, Qtool_series
O2235202	Clamping jaw 32 mm - for Qtool 60, Clamping_devices, Qtool_series
Z2235201	Clamping jaws 60 mm - for Qtool 60, Clamping_devices, Qtool_series
O2235212	Clamping jaw 32 mm bevelled - for Qtool 60, Clamping_devices, Qtool_series

02235213	Clamping jaw 32 mm cross prism - for Qtool 60, Clamping_devices, Qtool_series
Z2235202	Clamping jaws 60 mm slotted - for Qtool 60, Clamping_devices, Qtool_series
Z2235203	Clamping jaws 60 mm slotted prism - for Qtool 60, Clamping_devices, Qtool_series
QTOOL 80, CLAMPING_DEVICES, QTOOL_SERIES	
Z2231203	Qtool 80 - 100mm, 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
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

## EASY-CLAMPING PLATES, CLAMPING\_DEVICES, EASY\_CLAMPING\_PLATES

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

## ACCESSORIES FOR EASY-CLAMPING PLATES

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

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

Z2236041	Swivel unit Qtool 60 - 80, Clamping_devices, Clamping_accessories_specials
Z1304643	Screw clammer with Easy-clamping plate M, Clamping_devices, Clamping_accessories_specials
Z1304636	Expansion clamping device, Clamping_devices, Clamping_accessories_specials
Z2236009	Vertical clamp single, Clamping_devices, Clamping_accessories_specials
Z2236010	Vertical clamp double, Clamping_devices, Clamping_accessories_specials
Z2234010	Clamping system X-Clamp 3858, Clamping_devices, Clamping_accessories_specials

### CROSS VICES, CLAMPING\_DEVICES, CLAMPING\_ACCESSORIES\_SPECIALS

Z1340010	 Cross vice 50 - 100, Clamping_devices, Clamping_accessories_specials
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### ANGLE AND ROTATING VICES, CLAMPING\_DEVICES, CLAMPING\_ACCESSORIES\_SPECIALS

Z1304001	Angle vice 60, Clamping_devices, Clamping_accessories_specials
01304008	Prism jaw angle vice 60, Clamping_devices, Clamping_accessories_specials

## ROTATING DEVICES, CLAMPING\_DEVICES, ROTATION\_DEVICES

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

## UNIVERSAL VICES AND ACCESSORIES, 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
Z1350008		Universal vice Piccolo 54, Clamping_devices, Universal_vices_and_accessories
Z1350010		Suitcase set universal vice Piccolo 54, Clamping_devices, Universal_vices_and_accessories
Z1350012		Universal vice Piccolo 100, Clamping_devices, Universal_vices_and_accessories
Z1350002		Universal vice Mono 61, Clamping_devices, Universal_vices_and_accessories
Z1350004		Suitcase set universal vice Mono 61, Clamping_devices, Universal_vices_and_accessories
Z1350011		Universal vice Mono 132, Clamping_devices, Universal_vices_and_accessories
Z1350005		Universal vice Duo, Clamping_devices, Universal_vices_and_accessories
Z1350006		Chain vice set, Clamping_devices, Universal_vices_and_accessories
92005796		Longitudinal v-shoe, Clamping_devices, Universal_vices_and_accessories
92005797		Traverse v-shoe, Clamping_devices, Universal_vices_and_accessories
92005799		Longitudinal bridge, Clamping_devices, Universal_vices_and_accessories
92005800		Traverse bridge, Clamping_devices, Universal_vices_and_accessories
92005798		Standard clamping shoe, Clamping_devices, Universal_vices_and_accessories
Z1350007		Height adapter 60mm Piccolo, Clamping_devices, Universal_vices_and_accessories
Z1350003		Height adapter 74mm Mono, Clamping_devices, Universal_vices_and_accessories
95003172		Clamping arm extension Piccolo 54 and Mono 61, Clamping_devices, Universal_vices_and_accessories
Z1304591		Fixing screw M6 x 25, 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-slot nut - stainless M6 x 8, Clamping_devices, Universal_vices_and_accessories
91001161	T-slot nut - stainless M8 x 10, Clamping_devices, Universal_vices_and_accessories
91001159	T-slot nut - stainless M8 x 12, Clamping_devices, Universal_vices_and_accessories
91001158	T-slot nut - stainless M10 x 12, Clamping_devices, Universal_vices_and_accessories