



DOORSLIJPMACHINE

BRILLANT 230

**De Brillant 230 is een doorslijpmachine met fijn dynamische, handmatige wielbeweging voor samples tot Ø 110 mm. De ruime snijkamer zorgt voor de mogelijk tot het gebruik van verschillende klemsystemen. Het stevige aluminium ontwerp van de snijmachine is voorzien van openingen aan de rechter- en linkerzijde om lange materialen te snijden.**

## PRODUCTVOORDELEN

- | Ruime snijkamer met grote tafel
- | Ruime snijkamer
- | Opening aan de linker- en rechterkant voor eventuele lange delen
- | Grote tafel, individueel instelbaar in x-richting
- | Schuifdeur en zijdeur voor superieure toegankelijkheid
- | Eenvoudige bediening
- | Huidige veiligheidsnorm met deurvergrendelingssysteem
- | Flens met keramische bescherming
- | Slijpschijf snelbevestiging
- | Snijkamer belichting met LED flex light
- | Alle onze klemsystemen zijn universeel te gebruiken met de Brillant
- | Gepoedercoate, solide aluminium behuizing

## KENMERKEN

### FINE DYNAMIC CUT-OFF

With the manual cutting movement, the cutting force is regulated through a set of gears. The cut is thereby jerk-free and more precise. The easy-to-use lever brake fixes the cutting disc in any position.

### INNOVATIVE DETAILS

The sliding front door and the side door with safety interlock allow easy and optimal access to the cutter chamber. Further, the LED cutting chamber illumination is energy-saving. The arbour is protected against wearing by an interchangeable ring.

### MANUAL HORIZONTAL MOVEMENT

The manual horizontal movement allows cutting long parts longitudinally and easy positioning of the sample below the cut-off wheel.

### Z-AXIS

The manual Z-axis can be adjusted with 0.1 mm precision for parallel cuts.

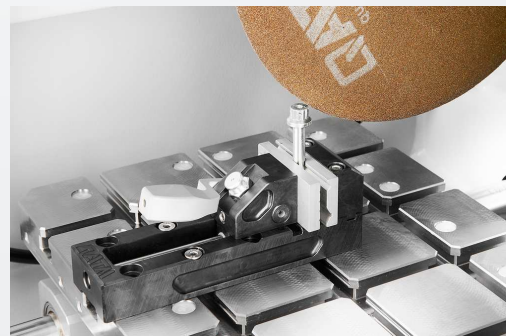
## **PERFECT CUTTING - CUT-OFF WHEELS FROM QATM**

Cutting is more reliable, safe and efficient when processed with the right ingredients: knowledge, care and the right choice of consumables and instruments.



## **SNEL, KRACHTIG, FLEXIBEL - KLEMSYSTEMEN VAN QTOOLS**

Onze innovatieve klemsystemen worden gebruikt om werkstukken veilig en nauwkeurig vast te klemmen om exact door te slijpen of te polijsten. Er is een uitgebreid pakket aan verschillende klemsystemen beschikbaar, die ontworpen werden voor specifieke toepassingen en werkstuk-afmetingen.



## WET ABRASIVE CUT-OFF MACHINE BRILLANT 230

**TECHNISCHE GEGEVENS**

|                                                    |                         |
|----------------------------------------------------|-------------------------|
| <b>Doorslijpschijf</b>                             | up to ø 300 mm/12"      |
| <b>Max. cutting capacity</b>                       | ø 110 mm                |
| <b>Afmeting flens voor slijpschijf</b>             | ø 32 mm                 |
| <b>Y-as (verticale beweging)</b>                   | 125 mm                  |
| <b>Table WxD</b>                                   | 380 x 250 mm, stainless |
| <b>T-slot</b>                                      | 12 mm                   |
| <b>Aansluitvermogen</b>                            | 6 kVA                   |
| <b>Vermogen aanfrijving<br/>(hoofdaandrijving)</b> | 4 kW S1                 |
| <b>Snelheid</b>                                    | 2750 rpm                |
| <b>B x H x D</b>                                   | 830 x 640 x 670 mm      |
| <b>Gewicht</b>                                     | ca. 130 kg              |

[www.qatm.com/brillant-230](http://www.qatm.com/brillant-230)

## BESTELGEGEVENS

### BASIS UITRUSTING

#### MACHINE (ALLE POSITIES NOODZAKELIJK)

M1820000  Brillant 230 Base machine

#### STROOMVOORZIENING (1 ITEM NOODZAKELIJK)

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 clamber 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               |