



The **BRILLIANT 230** is a wet abrasive cut-off machine with fine dynamic, manual wheel movement into samples up to Ø 110 mm. The spacious cutting chamber allows various clamping variations. The solid aluminium design comes with openings on the right and left hand side for cutting continuous long parts.



**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.

**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.

**Z-AXIS**

The manual Z-axis can be adjusted with 0.01 mm precision for parallel cuts.



WITH MANUAL  
CROSS-FEED

BASIC MODULE

**BRILLANT 230**

Order No.: M1820000

- » Precise manual vertical movement
- » Table adjustable in x-direction
- » Sliding door and side door with door interlock
- » T-slot table, stainless steel
- » Opening on left- and righthand side for continuous long materials
- » Solid aluminium design, powder coated
- » Chamber illumination with LED, Easy-nut, arbour with protector

EQUIPMENT

**POWER SUPPLY (select equipment)**

Equipment 1

400 V/50 Hz (3/N/PE)

Order No.: A1820015

Equipment 2

480 V/60 Hz (3/PE)

Order No.: A1820016

Equipment 3

220 V/60 Hz (3/PE)

Order No.: A1820017

**CUT-OFF WHEEL / CUTTING CAPACITY (select equipment)**

Equipment 1

**Cut-off wheel Ø 250/10"**

Order No.: A1820013

» Max. cutting capacity Ø 85 mm

Equipment 2

**Cut-off wheel Ø 300/12"**

Order No.: A1820014

» Max. cutting capacity Ø 110 mm

**CROSS-FEED Z-AXIS (select equipment)**

Equipment 1

**without z-axis**

Order No.: A1820021

Equipment 2

**Manual z-axis (by handle)**

Order No.: A1820020

- » Made of stainless steel
- » Z-axis travel 100 mm
- » Precision 0.1 mm



Easy-nut - for easy change of cutting wheel



ACCESSORIES

RECIRCULATION COOLING SYSTEM (select equipment)

- » 2-chamber-compartment 45 L
- » Inlet sieve and filter bag

- » Incl. connection set
- » Controlled by cut-off machine

Mobile, with insertion mechanism for System Lab cabinets

- 400 V/50 Hz (3/N/PE)  
Order No.: A5800016
- 480 V/60 Hz (3/PE)  
Order No.: A5800142
- 220 V/60 Hz (3/PE)  
Order No.: A5800144



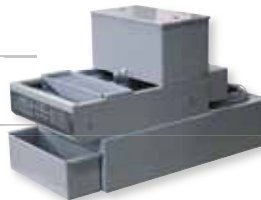
Mobile

- 400 V/50 Hz (3/N/PE)  
Order No.: A5800046
- 480 V/60 Hz (3/PE)  
Order No.: A5800143
- 220 V/60 Hz (3/PE)  
Order No.: A5800145



BELT FILTER SYSTEM 100

- Belt filter system 100**
- 400 V/50 Hz (3/N/PE)  
Order No.: A6501003
  - 480 V/60 Hz (3/PE)  
Order No.: A6501005
  - 220 V/60 Hz (3/PE)  
Order No.: A6501004



- » Incl. filter roll
- » Tank 100 Ltr.
- » Filtering capacity 15 Ltr./min (referring emulsion)
- » Pump 15 Ltr./min
- » WxHxD 530x615x966 mm
- » Weight approx. 80 kg

Connection set Brillant 230/250

- Order No.: Z6501004
- » for belt filter system please order connection set

SYSTEM LAB CABINET

- Order No.: M5800044
- » System lab assembly
- » WxHxD 880x800x800 mm



CENTRIFUGAL SEPARATOR

- 400 V/50 Hz (3/N/PE)  
Order No.: Z1820009
- 480 V/60 Hz (3/PE)  
Order No.: Z1820012
- 220 V/60 Hz (3/PE)  
Order No.: Z1820011

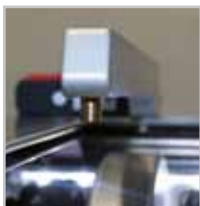


- » To remove coolant mist
- » Increases quality of illumination

OPTION

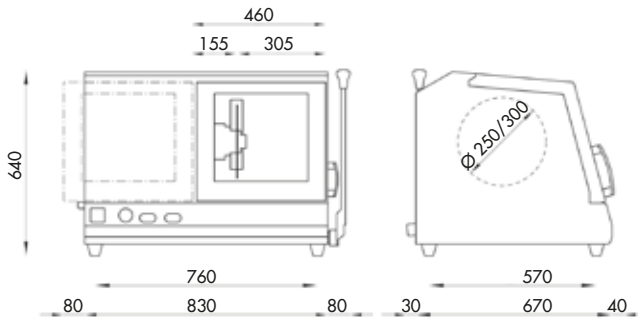
LASER-ALIGNMENT AID

- Order No.: A1820027
- » Laser line to visualize the cutting line
- » Laser class 2 EN/IEC 60825-1





## SPECIFICATIONS



Max. cutting capacity	1	Ø 85 mm (Ø 250 mm cut-off wheel)
	2	Ø 110 mm (Ø 300 mm cut-off wheel)
Cut-off wheels	1	Ø 250 mm/10"
	2	Ø 300 mm/12"
Arbour size	Ø 32 mm	
Vertical movement	125 mm	
Table WxD	1	380 x 250 mm (without z-axis)
	2	300 x 250 mm (with z-axis)
T-slot	12 mm	
Speed	2750 rpm	
Connected load	6 kVA	
Power supply	1	400 V/50 Hz (3/N/PE)
	2	480 V/60 Hz (3/PE)
	3	220 V/60 Hz (3/PE)
WxHxD	approx. 830 x 640 x 670 mm	
Weight	approx. 130 kg	

