



BRILLANT 230

The BRILLANT 230 is a wet abrasive cut-off machine with fine dynamic, manual wheel movement into samples up to \varnothing 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.



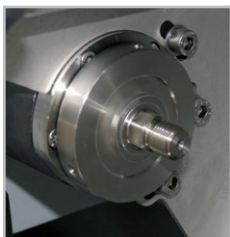
FINE DYNAMIC CUT-OFF

With the manual cutting movement, the cutting force is regulated through a set of gears. The cut is thereby jerk-free and more precise.



MANUAL HORIZONTAL MOVEMENT

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



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 0.1 mm precision for parallel cuts.



BASIC MODULE



BRILLANT 230

Order No.: M1820000

- » precise manual vertical movement with angle adjustable lever
- » 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
- » chamber illumination with LED, arbour with protector
- » Easy-nut – for easy change of cut-off wheel
- » solid aluminium design, powder coated

EQUIPMENT

POWER SUPPLY

Equipment 1

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

Order No.: A1820015

Equipment 2

480 V/60 Hz (3Ph/PE)

Order No.: A1820016

Equipment 3

220 V/60 Hz (3Ph/PE)

Order No.: A1820017

WHEEL GUARD

Equipment 1

Cut-off wheel Ø 254/10"

Order No.: A1820013

Max. cutting capacity Ø 85 mm

Equipment 2

Cut-off wheel Ø 305/12"

Order No.: A1820014

Max. cutting capacity Ø 110 mm



Manual Z-axis

TABLE DRIVE

Equipment 1

without (without X-axis, without Z-axis)

Order No.: A1820028

Equipment 2

X-axis manual (without Z-axis)

Order No.: A1820029

Equipment 3

Z-axis manual (without X-axis)

Order No.: A1820030

Equipment 4

X-axis manual/Z-axis manual

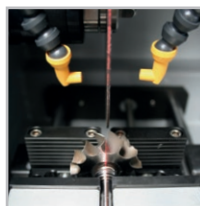
Order No.: A1820031

OPTION

LASER ALIGNMENT AID

Order No.: A1820027

- » laser line to visualize the cutting line
- » laser class 1M DIN EN 60825-1



ACCESSORIES

RECIRCULATION COOLING SYSTEM



- » 2-chamber-pvc-compartment 45 ltr.
- » 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 (3Ph/PE)

Order No.: A5800484

480 V/60 Hz (3Ph/PE)

Order No.: A5800485

220 V/60 Hz (3Ph/PE)

Order No.: A5800486

WxHxD	366x540(640) x610 mm
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**Mobile**

400 V/50 Hz (3Ph/PE)

Order No.: A5800487

480 V/60 Hz (3Ph/PE)

Order No.: A5800488

220 V/60 Hz (3Ph/PE)

Order No.: A5800489

WxHxD	366x550x600mm
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BELT FILTER SYSTEM 130

**Belt filter system 130**

400 V/50 Hz (3Ph/PE)

Order No.: A6501009

480 V/60 Hz (3Ph/PE)

Order No.: A6501011

220 V/60 Hz (3Ph/PE)

Order No.: A6501010

- » incl. filter roll

Tank	130 ltr.
Filter capacity	30 Ltr./min (referring emulsion)
Pump	15 ltr./min
WxHxD	607x632x1308 mm
Weight ~	90 kg

**Connection set 230/250**

Order No.: Z6501004

- » for belt filter system please order connection set

CENTRIFUGAL SEPARATOR



- » to remove coolant mist
- » increases quality of illumination
- » exhauster power 180 or 215 m³/h depends on power supply

400 V/50 Hz (3Ph/PE)

Order No.: Z1820009

480 V/60 Hz (3Ph/PE)

Order No.: Z1820012

220 V/60 Hz (3Ph/PE)

Order No.: Z1820011



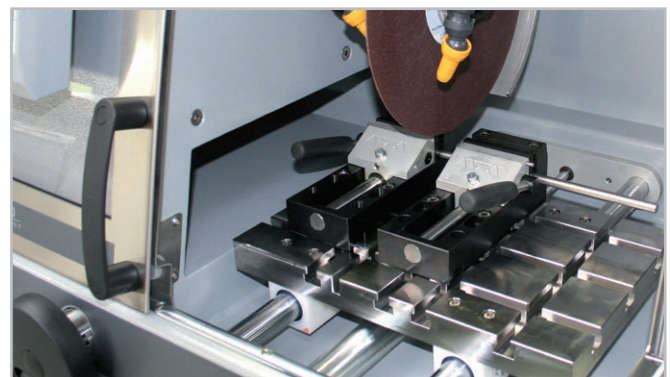
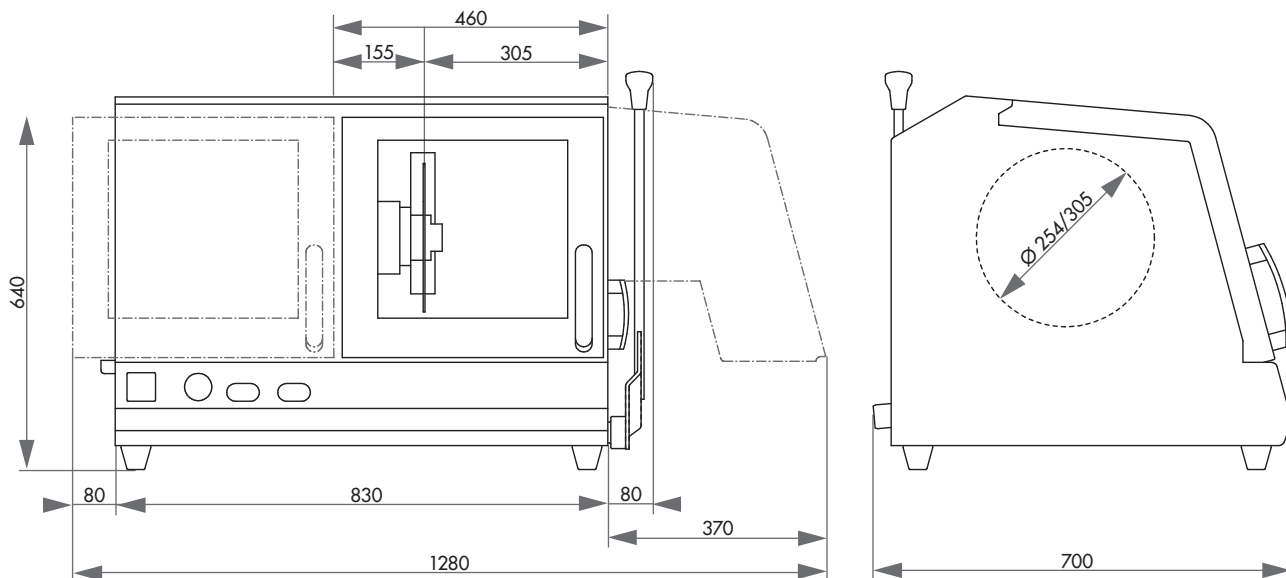
SPECIFICATIONS

Max. cutting capacity	1	Ø 85 mm (Ø 254 mm cut-off wheel)
	2	Ø 110 mm (Ø 305 mm cut-off wheel)
Cut-off wheel	1	Ø 254 mm/10"
	2	Ø 305 mm/12"
Arbour size	Ø 32 mm	
Vertical movement	125 mm	

Speed	2750 rpm	
Motor cut-off wheel	4 kW, S1-mode	
Connected load	6 kVA	
Power supply	1	400 V/50 Hz (3Ph/N/PE)
	2	480 V/60 Hz (3Ph/PE)
	3	220 V/60 Hz (3Ph/PE)

Table WxD	1	380x250 mm (without Z-axis)
	2	300x250 mm (with Z-axis)
T-slot	12 mm	

WxD	830 x 640 x 670 mm	
Weight ~	130 kg	



Clamping example