



The **Brillant 210** is a precision wet abrasive cut-off machine with manual Z-axis. The cutting force can be set via the load applied on the pivoting arm. In the cutting chamber of the robust Aluminium construction, the different sample arms can be exchanged simply and easily. The special sample holder can be removed with the clamped sample.



**PIVOTING ARM WITH LOAD APPLIED**

The cutting force is regulated through the load applied to the sample on cut-off wheel whereby a weight is slid along a scale.

**Z-AXIS**

The manual Z-axis can be adjusted with 0,01 mm exactness for parallel cuts.

**SPEED**

The speed of the cut-off wheel is variable.

**SAMPLE ARM**

The sample is clamped in a removable sample holder. This sample arm can be then inserted quickly into the easily accessible cutting chamber. Arms are available for different sample diameters and geometries.

**INDUSTRIAL STANDARD**

All components used by us, as well as the constructive design correspond to the normal device requirements for industry in Germany and the EC Safety Regulations. The units are finished in service-friendly modular construction.



**BRILLANT 210**

Order No.: M1870010

- » Manual axis
- » Solid aluminium design
- » Swivel arm with variable load

**POWER SUPPLY** (select equipment)

Equipment 1

**230 V / 50 Hz (1 Phase)**

Order No.: A1870001

Equipment 2

**110 V / 60 Hz (1 Phase)**

Order No.: A1870002

**SAMPLE HOLDER ARM** (select equipment)

Equipment 1

**Sample holder arm 50**

Order No.: A1870004

» Shaft      Ø 50 mm



Equipment 2

**Sample holder arm 40**

Order No.: A1870005

» Shaft      Ø 40 mm



ACCESSORIES

RECIRC. COOLING SYSTEM



**24 V pump**  
 Order No.: A1870003  
 » No voltage selection required  
 » Compartment approx.. 5 Ltr.  
 » Pump approx. 8 Ltr./min



SYSTEM LAB CABINET

Order No.: M5800044  
 » System Lab assembly  
 » WxHxD 880x815x800 mm

SAMPLE HOLDER FOR BRILLANT 210



Sample holder for shaft 50 Round samples Ø 30 - 50 mm Order No.: Z1870000  
 Sample holder for shaft 40 Round samples Ø 25 - 40 mm Order No.: Z1870003

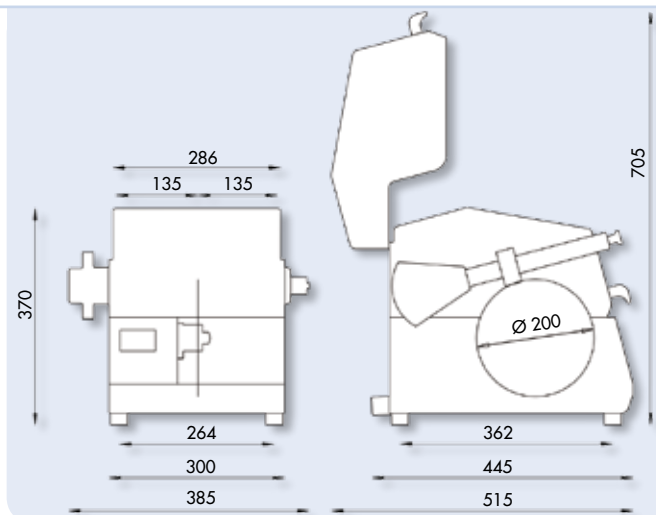


Sample holder for shaft 50 Geometric samples up to 32 mm Order No.: Z1870001  
 Sample holder for shaft 40 Geometric samples up to 22 mm Order No.: Z1870004



Sample holder for shaft 50 Parallel clamping vice 50 mm Order No.: Z1870002  
 Sample holder for shaft 40 Parallel clamping vice 40 mm Order No.: Z1870005

SPECIFICATIONS



Cutting capacity	1	Ø 50
	2	Ø 40
Cut-off wheels	Ø 200 mm/8"	
Arbour size	Ø 12,7 mm	
Variable Speed	250 – 4000 rpm	
Z-axis	10 mm	
Precision	0,01 mm	
Motor	0,17 kW	
power supply	1	230 V/50 Hz (1 Phase)
	2	110 V/60 Hz (1 Phase)
Approx. WxHxD	385 x 370 x 445 mm	
Weight	22 kg	