

- CUTTING 1
- SHAPING 2
- THINNING 5
- GRINDING 6

GEOTOME DUAL

Ref. 62830

Geotome dual has two working zones. One allowing cutting of rock samples, the other pre-polishing of thin sections.



TWO WORKING ZONES
ADAPTABILITY: MADE-TO-ORDER SAMPLE HOLDERS



Length: 1 150mm - Depth: 780mm - Height (hood down): 510mm
 Height (hood up): 950mm - Weight: 170kg - Conformity: CE

EXTERNAL RECIRCULATING SYSTEM INCLUDED



ACCESSORIES

62831
 GEOTOME DUAL vacuum system
 Piloting by GEOTOME DUAL
 Automatic purge

62837
 Vacuum holder for cutting 2 thin sections
 30 x 45mm*

62842
 Manual micrometric vacuum holder
 for cutting 2 thin sections 30 x 45mm*
 Travel: 40 mm
 Precision: 0.1mm*

62846
 Holding block for manual cutting

62832
 Ceramic vacuum holder for grinding
 4 thin sections 30 x 45mm*



62831



62837



62842



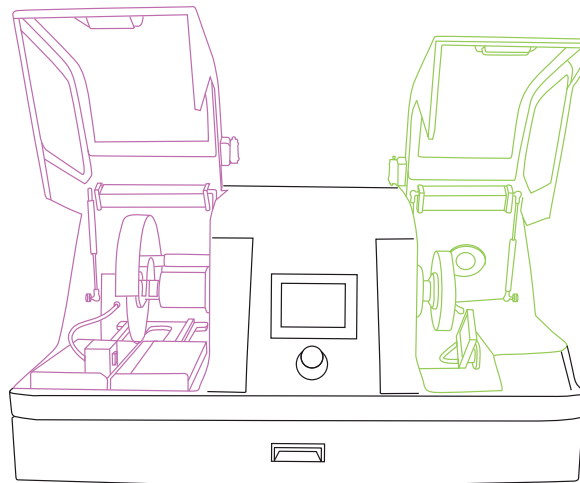
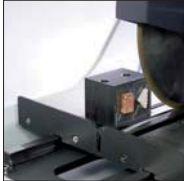
62832

* Others dimensions on request

DIAMOND GRINDER 250MM



FIXED VACUUM VICE



DIAMOND CUP WHEEL



CHARACTERISTICS

Hooding - Interior environment	
Type	Metal & PETG frame
Safety	the grinding area and the unused area are locked during motor rotation
Motor power - Electrical supply	
Power	2200 W
Electrical supply	220 V / Single-phase / 50 Hz
Motor piloting	Frequency controller
Grinder	
Grinder type	Diamond
Grinder size	Cutting: diamond disk Ø 250mm Rectification: cup wheel Ø 175mm
Rotation speed	1,000 to 3,000 RPM
Shaft diameter	25.4mm
Control	
Control interface	Colour touch screen
Protection by access code	Activated
Communication / Machine piloting interface	Modbus
Cutting - Rectification	
Cutting method	Manual
Type of movement	Cutting: manual on longitudinal table Rectification: manual with micrometric wheel
Travel of Y axis	On the cutting table: 300mm
Travel of X axis	Rectification sample rack: 35mm
Travel of Z axis	-
Dimension of cutting table	260 x 300mm
Type of table	Cutting: micro bead-blasted stainless steel table Rectification: aluminium sample rack with ceramic sole
Clamps	A T-slot (12mm) compatible with all clamping systems on the market
Sample / Cutting	Max height: 50 mm - 2 sections of 30 x 45mm or 26 x 46mm depending on the sample rack
Sample / Rectification	4 sections 30 x 45mm - max 60 x 90mm
Lubrication - Cooling	
Pump & Tray	External - 60L
Type of lubrication	Pumped
Configuration of lubrication points - Cooling	Cutting: grinder housing Rectification: directional lubrication nozzle
Type of filter	100 µm washable fabric filter
Ergonomics	
Interior lighting	LED
Cleaning shower	integrated
No load noise level	< 70 db

GEOTOME DUAL

CUT / PREPARE / THIN

The cutting side can use all diamond discs to a diameter of 250mm.

With its manual-movement longitudinal table, it allows you to **cut rock and prepare the sample**.

Once the cube is glued to the thin section, it is possible thin it to **a fixed or variable measurement** thanks to the mobile or non-mobile vacuum vice which fixes onto the table.

GEOTOME DUAL

GRINDING

The grinding area of GEOTOME DUAL allows you to **pre-polish up to 4 thin sections** simultaneously.

They are held by a vacuum sample rack and are rectified thanks to a 175mm diameter diamond head cup wheel with resinoid, metallic or vitrified binder.