

CATALOGUE

GEOLOGICAL INSTRUMENTS AND CONSUMABLES

OIL & GAS INDUSTRY



INTEGRATED
GEOLOGICAL SOLUTIONS

www.geofactory.eu

VERSION 2019/05

ABOUT US

Incorporated in 2014, Geofactory presents a wide range of geological consumables and methodologies for the Oil & Gas industry in order to ensure that end users safely handle their geological samples.

The aim of Geofactory is to offer a variety of suitable solutions applicable to the onsite drilling environment or to laboratory conditions. Aware of the latest challenges faced by the industry, and with a solid network of associates (suppliers, consultants, logistics people...) Geofactory's reactivity will guarantee adapted solutions that will meet your demands world-wide. One must not forget that a high percentage of core recovered does not necessarily represent the full 100% of material that may be used for analysis!

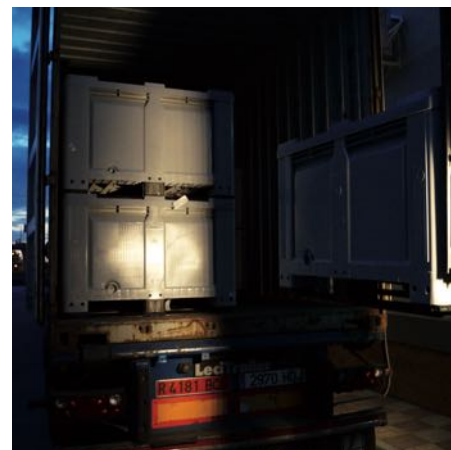
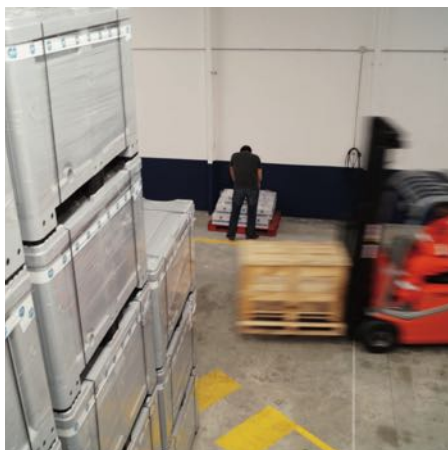
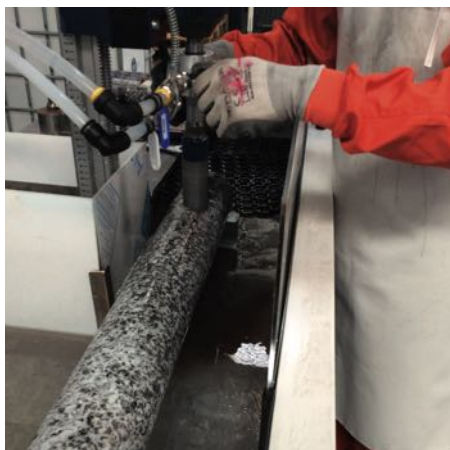
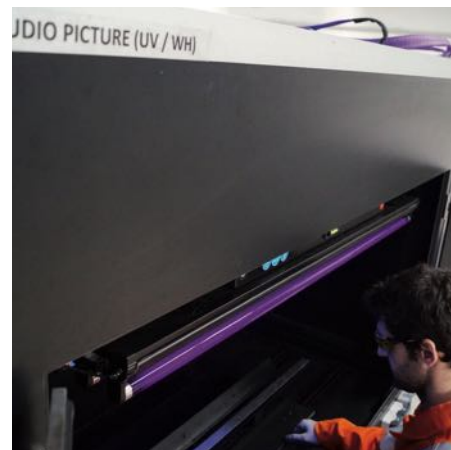
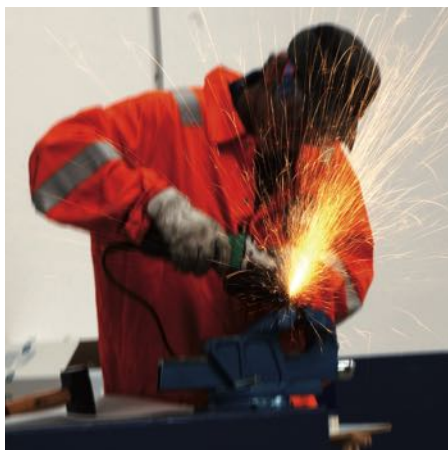
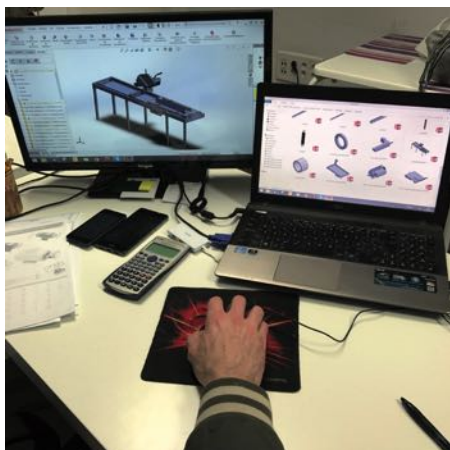


MARKET POSITIONING

CORING
OPS

CORE
HANDLING

CORE
ANALYSIS



We operate a constant improvement policy, our products are subject to change without notice.

1

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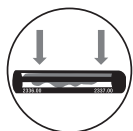
SUMMARY





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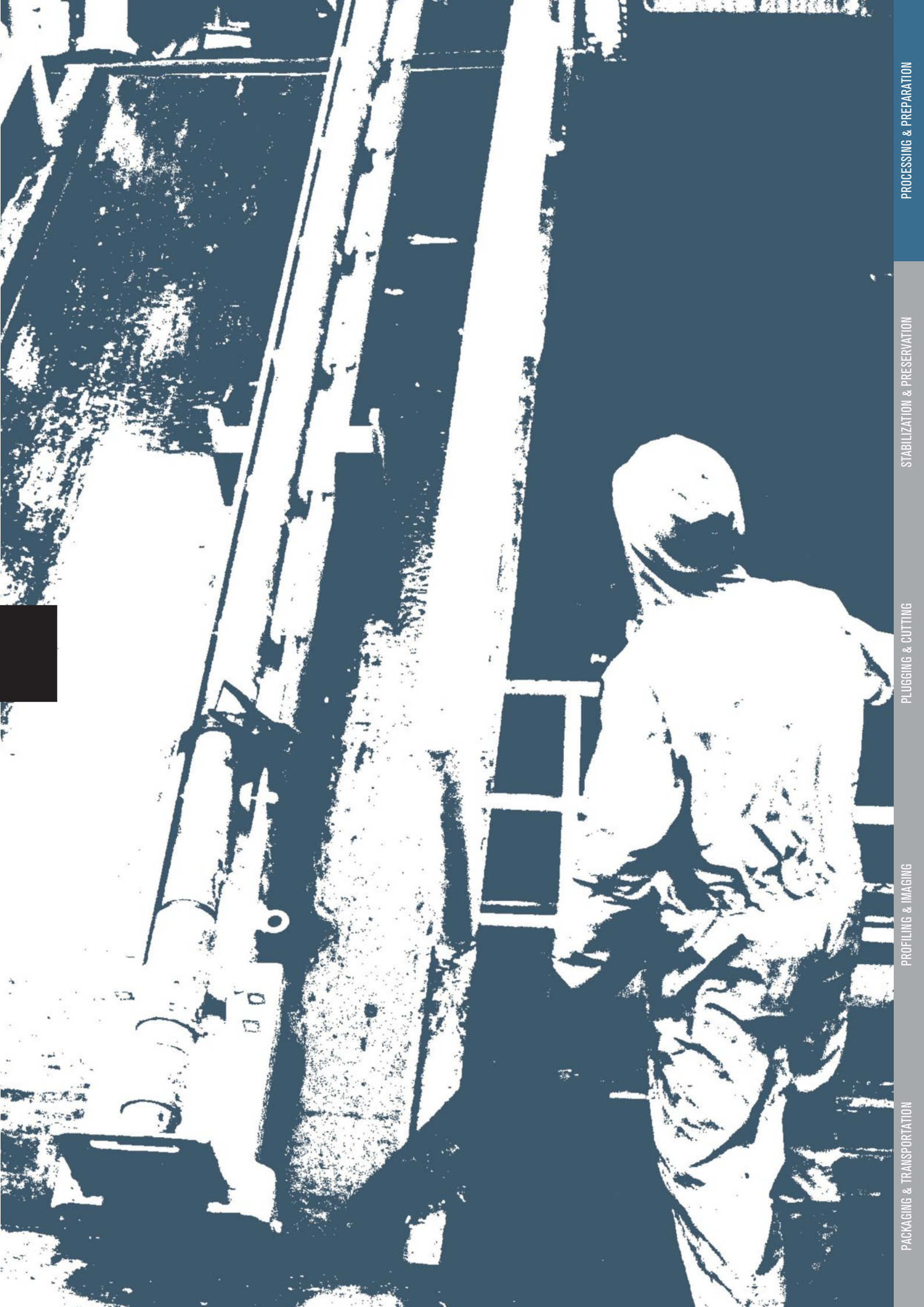


PACKAGING & TRANSPORTATION

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PROCESSING & PREPARATION





PROCESSING & PREPARATION

CORE HANDLING SUPPORT AND PREPARATION



DRAINING TABLE



PROCESSING TABLE



INNER TUBE SUPPORT






Geofactory has designed a range of core supports to optimize handling and processing in an onsite environment. Perfectly adapted to preserve all core diameters with foam or epoxy, these tools are extremely robust and removable for easy shipment. Associated with an adapted tool box and a kit for marking all these items will ensure a perfect setup for your core handling operation.

Ref.	Model	Material	Dimensions	Weight
PREP-103	Inner tube support <i>Recommended- Full core barrel</i>	Steel Rubber	220x200x350 mm 8.7x7.9x13.8 in	22 Kg
PREP-104	Processing table <i>Recommended- Foam preservation</i>	Steel	2240x750x920 mm 7.5x2.5x3.1 ft	85 Kg
PREP-105	Draining table <i>Recommended- Resin preservation</i>	Steel	1910x1246x1240 mm 6.3x4x4 ft	147 Kg
PREP-106	Vertical support <i>Recommended- Vertical handling (Soft formation)</i>	Steel	1040x850x650 mm 3.9x2.8x2.1 ft	45 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
PREP-101	Personal protective equipment <i>Branded & Certified Equipment</i>	
PREP-102	Marking kit <i>Designed according to your needs</i>	
PREP-568	Tool box <i>Designed according to your needs</i>	



Ref.	Description	Overview
PREP-700	Caps <i>Consult available size</i> <i>Minimum quantity required</i>	
PREP-800	Insert clips <i>All sizes</i> <i>Minimum quantity required</i>	
FERA-230	Band-it clamping system <i>For manual use</i>	
PREP-201	Stick wax lubricant <i>When sawing inner tube and core on the surface</i>	
PREP-900	Pipe cutter <i>Available for all diameters</i>	

RELATED PRODUCTS



FOAM PRESERVATION



DIAMOND BLADE



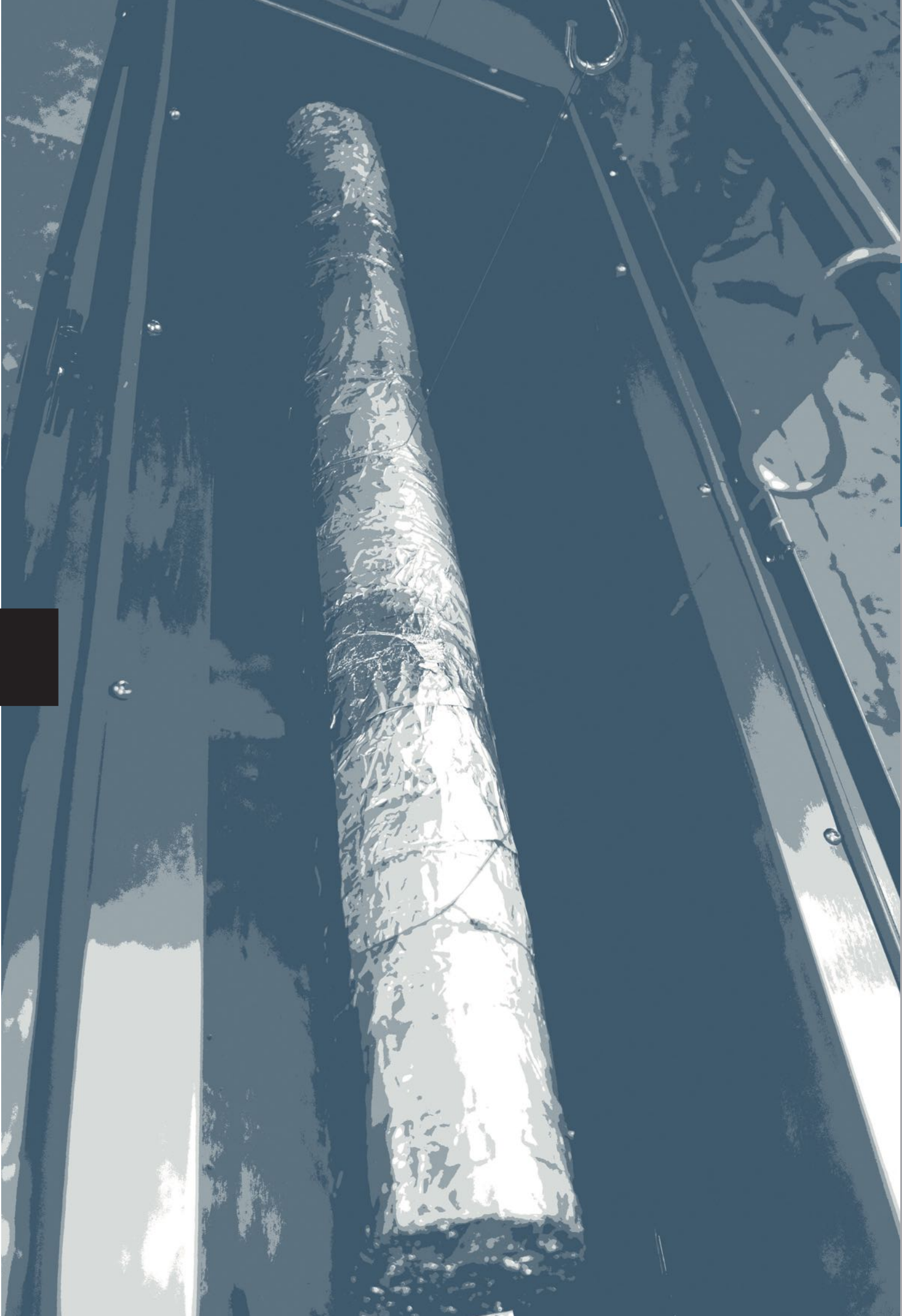
GAMMA RAY



CORE CONTAINER



STABILIZATION & PRESERVATION





STABILIZATION & PRESERVATION

CORE STABILIZATION > ORIGINAL FOAM



CHEMICAL CYLINDERS



KIT OF FOAM



GUN HOSE ASSEMBLY

The foam (FP-180) is needed to stabilize the core sample during the core processing operation. The technician can stabilize around 30 meters / 95 feet of core per set of foam on average (Depending on annulus size & the technician's experience in controlling foam expansion and its progress inside the tube). Note that ventilation is required and special PPE must be worn.

Ref.	Model	Material	Dimensions	Weight
STAB-101	Original foam <i>Recommended- Full length stabilization</i>	Polymer Isomer	400x250x400 mm 15.74x9.84x15.74 in	17 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
STAB-102	Kit tools for injection <i>Designed according to your needs</i>	
STAB-103	Electric heating jacket <i>230 V/ 50 Hz - 40 W</i>	
PREP-250	Packet of 25 nozzles <i>Anti-crossover system</i>	



PTFE GEOSHIM



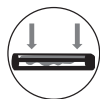
INTRODUCING SHIM INTO THE ANNULUS



PACKAGING PER SIZE

The GeoShim is inserted into the annulus to fix the piece of rock and fractures. Easy to handle and easy to remove in the laboratory, different sizes and material (PTFE / PVC) are available in order to guarantee perfect stabilization effect.

Ref.	Model	Material	Dimensions	Weight
STAB-601	Kit geoshim PTFE <i>Easy insert into annulus</i>	PTFE	As per your specifications	<0.3 Kg per shim
STAB-602	Kit geoshim PVC <i>Economical solution</i>	PVC	As per your specifications	<0.2 Kg per shim



STABILIZATION & PRESERVATION

CORE PRESERVATION > PARAFFIN WAX



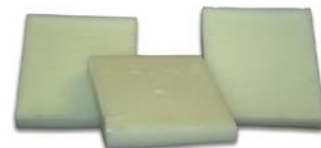
GEOBATH MEDIUM (60L)



TEMPERATURE CONTROLLER



GEOBATH FOR PLUG



GEOSEAL WAX











The Geobath wax melter series has been designed for melting waxes used during core preservation operations. It can heat waxes at a range of temperatures from 50°C to 200°C (122°F to 392°F) in order to suit all ranges of waxes available in the coring industry. They are also equipped with an adjustable thermostat and a thermal cutout in order to match the temperature to the melting point of the wax used. Its robust steel manufacture makes this product the perfect device for safe and intensive use at the well-site or under laboratory conditions.

Ref.	Model	Material	Dimensions	Weight
STAB-301	Geobath large (120 L) 220 V/ 50-60 Hz	Stainless steel	1640x450x450 mm 5.4x1.5x1.5 ft	130 Kg
STAB-302	Geobath medium (60 L) 220 V/ 50-60 Hz	Stainless steel	1030x450x450 mm 3.4x1.5x1.5 ft	80 Kg
STAB-303	Geobath for plug (2x5 L) 230 V/ 50 Hz	Steel	495x320x270 mm 19.5x12.6x10.6 in	9 Kg
PRES-102	Geoseal wax Melting point 75 °C Packaged in box for 10 Kg of wax	Paraffin	310x255x180 mm 12.20x10.03x7.08 in	10 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

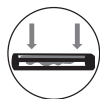
Ref.	Description	Overview
STAB-403	Accessories for waxing <i>Designed according to your needs</i>	
STAB-404	Kit for waxing- Plug samples <i>Designed according to your needs</i>	
STAB-221	Trolley Geobath medium <i>Robust & mobile</i>	
STAB-222	Trolley Geobath large <i>Robust & mobile</i>	



Ref.	Description	Overview
STAB-223	Drying support <i>According to core samples size</i>	  
STIC-004	Informative label - Core sections <i>Corporate branding as-needed</i>	 
STIC-005	Informative label- Plug samples <i>Corporate branding as-needed</i>	 
STAB-227	De-waxing system <i>220 V - Cutting depth: Up to 15 mm</i>	  



WATCH VIDEO



STABILIZATION & PRESERVATION

CORE PRESERVATION > GEOBAG PROTECTOR



4" CORE



GEOBAG FOR PLUG



VACUUM SEALER



PORTABLE HAND SEALER

The ideal solution to protect your geological samples from external chemical elements. Vacuumed, heat-sealed or taped, it is easy to handle and can be used for well-site, laboratory or storage purposes. The Geobag Protector is considered to be a reliable preservation technique but needs the right accessories to maximise its utilization.

Ref.	Model	Material	Dimensions	Weight
STAB-203	Geobag protector large <i>Sealing condition: 180 °C</i>	Polyster, Aluminium, Nylon, LDPE	1500x270 mm 59.05x10.6 in	159 g/m ²
STAB-213	Geobag protector for plug <i>Sealing condition: 180 °C</i>	Polyster, Aluminium, Nylon, LDPE	240x185 mm 9.45x7.2 in	159 g/m ²
STAB-201	Vacuum sealer <i>Vacuum and injection 230 V/ 50-60 Hz</i>	Stainless steel	590x232x516 mm 23.2x9.1x20.3 in	32 Kg
STAB-202	Portable hand sealer <i>420 mm Sealing size 230 V/ 50-60 Hz</i>			




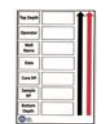

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► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
STAB-220	Kit resistance for vacuum <i>PTFE cover, seal wire, rubber</i>	
STAB-224	Trolley for vacuum sealer <i>Recommended: Laboratory environment</i>	
STIC-004	Informative label- Core sections <i>Corporate branding as-needed</i>	
STIC-005	Informative label- Plug samples <i>Corporate branding as-needed</i>	
STAB-226	Compressor for vacuum <i>Up to 6 bar / 87 psi</i>	



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STABILIZATION & PRESERVATION

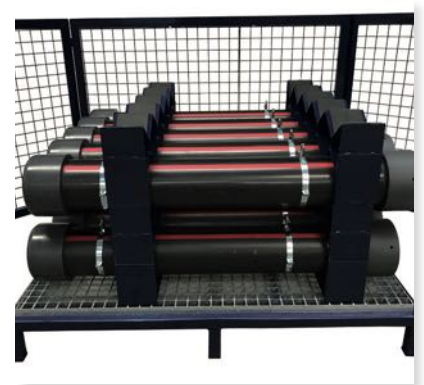
CORE PRESERVATION > FLUID PIPE



FLUID PIPE



FLUID PIPE TROLLEY



TRANSPORTATION BASKET

The Fluid Pipe is an appropriate solution to transport immersed rock sample in a fluid. This technique of preservation will guarantee the conservation of the structure of the core and protect it against external elements. The use of the trolley for the handling and special basket are recommended.

Ref.	Model	Material	Dimensions	Weight
STAB-701	Fluide pipe 4" <i>Max pressure: 10 bar/ 145 psi</i>	PVC	Ext: 1200x200 mm 47.2x7.9 in Int: 1100x140 mm 43.3x5.5 in	11.5 Kg
STAB-711	Fluide pipe 5¼" <i>Max pressure: 10 bar/ 145 psi</i>	PVC	Ext: 1200x250 mm 47.2x9.9 in Int: 1100x193 mm 43.3x7.6 in	16.5 Kg
STAB-702	Fluid pipe trolley <i>All core diameter</i>	Steel	1040x740x520 mm 3.4x2.4x1.7 ft	37 Kg
STAB-703	Transportation basket <i>For all core diameter</i> <i>Capacity up to 15 m</i>	Steel	1350x1050x1060 mm 4.5x3.5x3.5 ft	125 Kg

RELATED PRODUCTS



PPE



CORE STUDIO KIT



PLUGGING SYSTEM



GEOBOX PRESERVATION

PLUGGING & CUTTING







PLUGGING & CUTTING

CORE DRILL > ELECTRIC POWER SYSTEM



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ELECTRIC PLUGGING SYSTEM



FLUIDS CONNECTION & DRILL BIT



ELECTRIC PLUG AND AIR CONTROL

The Electric Power System to drill plugs in core sample is specially designated to be quick to set up and switch on. It is equipped with a robust motor and a metallic basin with a table completely manufactured to be easily powered up. The whole system allows a plugging operation using any fluids (Drilling mud, Kerosene, brine water,...) or air with all the safety requirements. It comes with a high viscosity pump (HV), a swivel, special supports for horizontal & Vertical plugging and a tray for a safe storage of the plug samples. A semi-automatic system is available on request.























Ref.	Model	Material	Dimensions	Weight
SAMP-205	Electric motor	Steel	240x330x950 mm	15.5 Kg
	3-speed transmission and 6 variable speeds Power: 2.2 kW Voltage: 230 V/ 50 Hz or 110 V/ 60 Hz Drill speed: Loaded 400/ 750/ 1550 rpm Core drill rig with clamping support	Galvanized steel Stainless steel	9.44x13.00x37.40 in	
	Table (recirculating fluid system) Voltage: 230 V/ 50 Hz or 110 V/ 60 Hz Basin volume: 50 L Pump: High viscosity (HV) Air connection (Dry drilling): Up to 6 bar/ 87 psi Horizontal support: Up to 1m / 3.2 ft core section Vertical support: Up to 30 cm / 1 ft core section		1950x880x1270 mm 6.4x2.9x4.2 ft	95 Kg
	Packaging Certified wooden box		2130x960x780 mm 7.1x3.2x2.6 ft	88 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
SAMP-301	Diamond drill bit- Segmented Recommended: Hard formation Standard model : 1" & 1.5"- 160 mm length Thickness: 3 mm Connection: R ½ Special diameter and length under request	
SAMP-302	Diamond drill bit- Impregnated Recommended: Hard & Consolidated formation Standard model : 1" & 1.5"- 160 mm length Thickness: 1.8 mm Connection: R ½ Special diameter and length under request	




















► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
SAMP-303	Diamond drill bit- Thin wall <i>Recommended: Friable & Soft formation</i> <i>Standard model : 1" & 1.5"- 160 mm length</i> <i>Thickness: 1.2 mm</i> <i>Connection: R ½</i> <i>Special diameter and length under request</i>	  
SAMP-304	Diamond drill bit- Micro plug <i>Recommended: Hard & Consolidated formation</i> <i>Standard model : from 4 mm to 8 mm</i> <i>Thickness: 0.5 mm</i> <i>Connection: R ½</i>	  
SAMP-203	Swivel <i>For all fluids & Nitrogen</i>	  
SAMP-207	Lubricant- Mineral oil <i>Drum of 207 L with hand pump</i>	  
SAMP-210	Vacuum cleaner <i>Wet & Dry operation</i>	
SAMP-208	Plug tray <i>Capacity: 30 Plugs</i>	  
SAMP-218	Plug marker <i>All sizes available</i>	  
SAMP-219	Bubble wrap bag <i>100x200 mm</i>	  



► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
SAMP-302	Diamond drill bit- Impregnated <i>Recommended: Hard & Consolidated formation</i> <i>Standard model : 1" & 1.5"- 160 mm length</i> <i>Thickness: 1.8 mm</i> <i>Connection: R ½</i> <i>Special diameter and length under request</i>	  
SAMP-303	Diamond drill bit- Thin wall <i>Recommended: Friable & Soft formation</i> <i>Standard model : 1" & 1.5"- 160 mm length</i> <i>Thickness: 1.2 mm</i> <i>Connection: R ½</i> <i>Special diameter and length under request</i>	  
SAMP-304	Diamond drill bit- Micro plug <i>Recommended: Hard & Consolidated formation</i> <i>Standard model : from 4 mm to 8 mm</i> <i>Thickness: 0.5 mm</i> <i>Connection: R ½</i>	  
SAMP-213	Swivel <i>For all fluids including nitrogen</i>	  
FERA-112	Pneumatic oil	
SAMP-207	Lubricant- Mineral oil <i>Drum of 207 L with hand pump</i>	  
SAMP-209	Pneumatic vacuum cleaner <i>Wet & Dry operation (1.2 kW)</i>	
SAMP-208	Plug tray <i>Capacity: 30 Plugs</i>	  
SAMP-218	Plug marker <i>All sizes available</i>	  
SAMP-219	Bubble wrap bag <i>100x200 mm</i>	  



PLUGGING & CUTTING

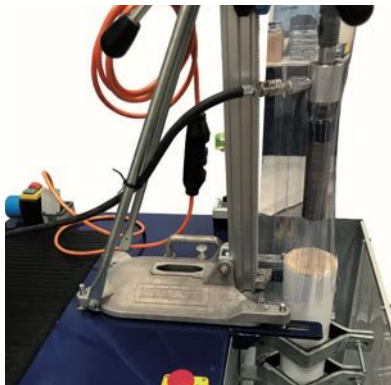
CORE DRILL > TOP FACE PLUGGING



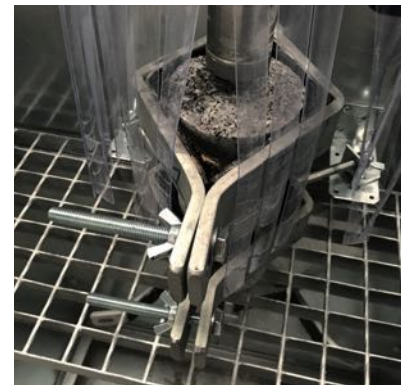
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TOP FACE PLUGGING



ELECTRIC AND FLUID SYSTEMS



CLAMPING SYSTEM

The Top Face Plugging is made in steel and stainless steel or galvanized (basin), its heavy weight guarantees a optimum stabilization and absorbs all the vibrations. The basin is resistant to all types of fluid and equipped with flexible PVC plate to minimize the splash. Also an area is available on the table to put the tools. The Top Face Plugging is equipped with a pump, drill and general power and also with an emergency button to stop the plugging unit at any time.

Ref.	Model	Material	Dimensions	Weight
SAMP-210	Electric motor 3-speed transmission and 6 variable speeds Power: 2.2 kW Voltage: 230 V/ 50 Hz or 110 V/ 60 Hz Drill speed: Loaded 400/ 750/ 1550 rpm Core drill rig with clamping support Table (recirculating fluid system) Voltage: 230 V/ 50 Hz or 110 V/ 60 Hz Basin volume: 25 L Pump: High viscosity (HV) Air connection (Dry drilling): Up to 6 bar/ 87 psi Vertical core holder: Up to 1 m/ 3 ft core section Max tube diameter: 171 mm/ 6 ³ / ₄ in Packaging Certified wooden box	Steel	1020x750x1230 mm 40.16x29.53x48.43 in	85 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
SAMP-301	Diamond drill bit- Segmented Recommended: Hard formation Standard model : 1" & 1.5"- 160 mm length Thickness: 3 mm Connection: R ½ Special diameter and length under request	
SAMP-302	Diamond drill bit- Impregnated Recommended: Hard & Consolidated formation Standard model : 1" & 1.5"- 160 mm length Thickness: 1.8 mm Connection: R ½ Special diameter and length under request	
SAMP-303	Diamond drill bit- Thin wall Recommended: Friable & Soft formation Standard model : 1" & 1.5"- 160 mm length Thickness: 1.2 mm Connection: R ½ Special diameter and length under request	



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PLUGGING & CUTTING

CORE DRILL > ANTI STUCK DRILL BIT



DAF™ DRILL BIT
CONNECTED AT THE SWIVEL



DAF™ DRILL BIT





DAF™ EXTRACTOR STATION

The anti-Stuck drill bit model has been developed to protect the plug samples against mechanical damage due to an aggressive action caused when the sample remains blocked inside the drill bit. Faced with a technical problem which until today was a quite a dilemma, Geofactory innovates with a solution which maintains the integrity of the plug sample. The Kit DAF™ anti-Stuck is used as a normal drill bit but it saves time, does not damage the equipment and leaves the rock sample undisturbed.

Ref.	Model	Material	Dimensions	Weight
SAMP-315	DAF™ head connector <i>Connexion: R$\frac{1}{2}$</i> <i>Diameter: 75 mm</i>	Stainless steel	265xØ75 mm	1 Kg
	DAF™ drill bit <i>Standard length: 160 mm</i> <i>Thickness: 2.1 mm</i> <i>Connexion: R$\frac{1}{2}$</i> <i>Diamond: Impregnated</i>	Steel	10.43xØ2.95 in	
	DAF™ extractor station <i>Dimensions: 300x150x90 mm</i> <i>Extractor: Helical screw- Spindle</i> <i>PVC drill bit support : 1" & 1.5"</i> <i>Cylinder steel: 34x20 mm</i>		430x150x240 mm 16.92x5.90x9.44 in	8 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
FERA-114	Copper grease	  



PLUGGING & CUTTING

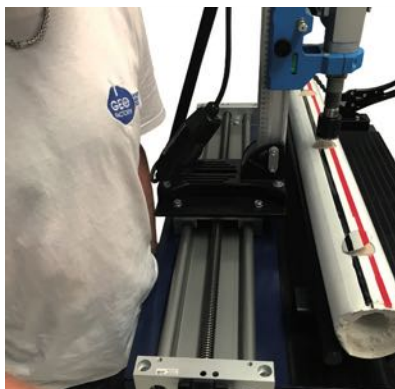
CORE CUTTING > INNER DRILL BENCH



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INNER DRILL BENCH



ADJUSTABLE DRILL RIG





ACCESS TO THE CORE
FOR PLUGGING

The Inner Drill Bench is designed in order to remove the inner tube (aluminium, fiber glass) at the plugging point. It offers the advantages that the rock sample is held on the bench, and the plugging machine is moved along the sample by means of a linear module provided with a hand wheel. This mobility allows one take a plug wherever necessary in all the core samples.

Ref.	Model	Material	Dimensions	Weight
SAMP-601	Electric motor 3-speed transmission and 9 variable speeds Power supply: 2.2 kW Voltage: 230 V/ 50 Hz or 110 V/ 60 Hz Drill speed: Loaded 400/ 750/ 1550 rpm Linear module Maximum core diameter: 170 mm Maximum stroke: 800 mm Core up to 1000 mm Spindle screw & hand wheel Hole saw Diameter: 48 mm/ 1.89 " Thickness: 1.5 mm/ 0.06" Core support Core up to 1000 mm Locking chain clamp	Steel and aluminium alloy	1170x740x1980 mm 46.06x29.13x77.95 in	81.5 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
SAMP-305	Hole saw Model: 48 mm	
SAMP-306	Hole saw adapter Connection: R 1/2	



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PLUGGING & CUTTING

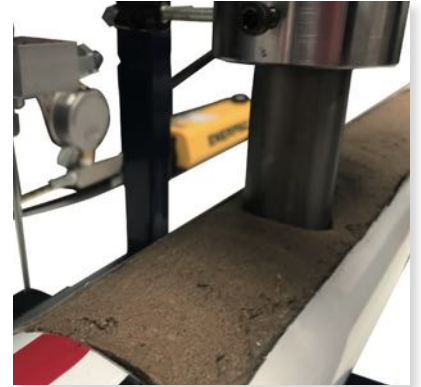
CORE DRILL > PLUNGE CUTTER HYDRAULIC SYSTEM



END FACE EXTRACTION



GAS SPRING ASSIST








PLUNGE CUTTER

The Plunge Cutter is required to precisely control the penetration of the plunger into the soft and unconsolidated formation. Built with a hydraulic system, Geofactory offers an innovative model that offers the advantage of extracting horizontal and vertical plug samples. The main frame is orientable on a range of 90° and the worktable is equipped with a core support adjustable on axis X,Y that holds core up to 3ft/ 1m and 6 ¾ in diameter. Joined, the auxiliary mobile worktable has enough surfaces to organize the handling operation using a Digital balance, Heat gun and the consumables necessary for a perfect preparation of the sample.

Ref.	Model	Material	Dimensions	Weight
SAMP-101	Hydraulic system Pump pressure: Max 3500 psi/ 250 bar Double-acting Cylinder pressure: Max 3500 psi/ 250 bar Manometer: Dual scale reading for pressure (bar) and force (kN) Bench/ Frame Cutter internal diameter: 1" & 1.5" Cutter length: :Up to 5¼" Core support: Adjustable on X,Y axis Auxiliary worktable: Multiple fixation points Voltage: 230 V/ 50 Hz	Stainless steel	300x350x1050 mm 11.81x13.77x 41.33 in 2000x1600x950 mm 6.6x5.3x3.2 ft	20 Kg 97 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS





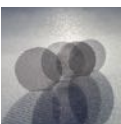















Ref.	Description	Overview
SAMP-111	1" plunge cutter Steel	 
SAMP-112	1.5" plunge cutter Steel	 
SAMP-113	1" heat shrink tubing FEP (Fluoropolymer) 0.25 mm wall	



PLUGGING & CUTTING

CORE DRILL > PLUNGE CUTTER HYDRAULIC SYSTEM

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
SAMP-114	1.5" heat shrink tubing <i>FEP (Fluoropolymer)</i> <i>0.25 mm wall</i>	
FERA-085	FEP cutting tool	
SAMP-115	1" mesh screen coarse <i>20x20 mesh x 0.355 mm wire</i> <i>Ø=0.915 mm aperture</i>	 
SAMP-116	1.5" mesh screen coarse <i>20x20 mesh x 0.355 mm wire</i> <i>Ø=0.915 mm aperture</i>	 
SAMP-117	1" mesh screen fine <i>200x200 mesh x 0.050 mm wire</i> <i>Ø=0.077 mm aperture</i>	 
SAMP-118	1.5" mesh screen fine <i>200x200 mesh x 0.050 mm wire</i> <i>Ø=0.077 mm aperture</i>	 
SAMP-119	1" viton sleeve <i>Hardness 70±5 SHORE A</i>	 
SAMP-120	1.5" viton sleeve <i>Hardness 70±5 SHORE A</i>	 
FERA-074	PTFE roll seal <i>25x2500x0.2 mm</i>	  
SAMP-121	Hydraulic oil <i>Bottle of 5 L</i>	
SAMP-122	Digital balance <i>0.001 g readability</i>	
SAMP-123	Heat gun <i>Temperature range: 200-300 °C</i>	



WATCH VIDEO

PLUGGING & CUTTING

CORE CUTTING > TRIMMING SAW



PROCESSING & PREPARATION

STABILIZATION & PRESERVATION

PLUGGING & CUTTING

PROFILING & IMAGING

PACKAGING & TRANSPORTATION



MULTIPLE V-BLOCK



TRIMMING SAW










TRIM

The Trimming Saw is a tool adapted to trim the plugs after a plugging operation. It has been designed to cut up to 7 plugs in a double pass. The quality of the blade enables an excellent precision of the cut and the trim is recovered in a numbered cell. The tool is equipped with all the protections to guarantee safe handling and a recirculating coolant system for high viscosity fluid as drilling mud.

Ref.	Model	Material	Dimensions	Weight
SAMP-402	Motor Power supply: 230 V/ 1 Phase/ 50 Hz Motor power: 1.1 kW, 22000 rpm Control panel: Two operating positions Diamond blade Diameter: 250 mm/ 9.84 in Thickness: 1.6 mm/ 0.063 in Shaft speed: 3420 rpm Plug samples support Diameter: Up to 1.5 " Length: Up to 5¼ " Capacity: Up to 7 plug samples	Steel Stainless steel	900x600x500 mm 3x2x1.6 ft	65 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
SAMP-215	Diamond blade Model: 250 mm	 
FERA-108	PTFE roll seal 25x2500x0.2 mm	 
SAMP-207	Lubricant- Mineral oil Drum of 207 L with Hand pump	  
SAMP-266	Dust vacuum Including water and dust filter	



PLUGGING & CUTTING

CORE CUTTING > DUAL-AXIS SAW



WATCH VIDEO



DUAL-AXIS SAW



MODE X (SLAB)





MODE Y (TRIM)

The Dual-Axis is a type of saw essential in the field of core preparation in the laboratory. In fact, this tool is designed to receive core samples 4" in diameter and 50 cm long and using a rotating support that allows one to cut rock sample from an axis of 0° to 90° (slabbing & trimming). It offers the additional advantage that the core sample is moved to the diamond blade and cooled with a steerable hydraulic setup.

Ref.	Model	Material	Dimensions	Weight
SAMP-406	Motor Power supply: 220 V/ 50-60 Hz Motor power: 2.2 kW RPM: 2800 Core support Maximum cutting depth: 108 mm Maximum cutting length: 500 mm Rotation: from 0° or 90° Diamond blade Diameter: 350 mm/ 14 in Thickness: 3 mm/ 0.118 in Fluid system Pump: 1.1 kW/ 50 L/min Lubricant system: 3x Nozzles Tank capacity: 50 L	Steel and Galvanized	1380x800x1400 mm 4.5x2.6x4.6 ft	96 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
SAMP-250	Diamond blade Model: 350 mm/ 14 in	  



WATCH VIDEO

PLUGGING & CUTTING

CORE CUTTING > SLABBING SAW 350



PROCESSING & PREPARATION

STABILIZATION & PRESERVATION

PLUGGING & CUTTING

PROFILING & IMAGING

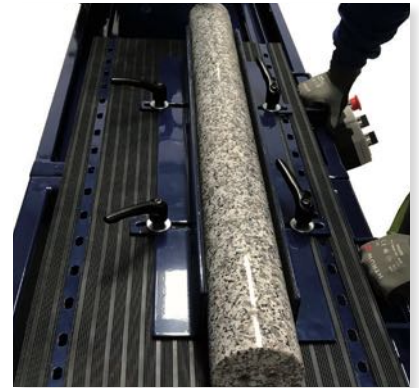
PACKAGING & TRANSPORTATION



SLABBING UNIT



SLABBING UNIT








SLABBING UNIT

Geofactory has designed a Slabbing saw 350 adapted for both the wellsite and laboratory environment. It offers the main advantage that the core sample is moved to the diamond blade and cooled with a steerable hydraulic setup. This system provides more sensitivity to the cut which is really essential particularly when biscuit slices are processed. Moving a manually mechanical crank, the operator can adjust with millimetric accuracy the diamond blade at the inner tube and cut it prior to a plugging or photography operation.

Ref.	Model	Material	Dimensions	Weight
SAMP-501	Motor Power supply: 220 V/ 50 Hz Motor power: 2.2 kW RPM: 2200 Structure Maximum cutting depth: 108 mm Maximum cutting length: 1005 mm Diamond blade Diameter: 350 mm/ 14 in Thickness: 3 mm/ 0.118 in Maximum cutting depth: 108 mm Maximum cutting length: 1005 mm Fluid system Pump: 1.1 kW/ 50 L/min Lubricant system: 4x Nozzles Tank capacity: 50 L	Steel and galvanized	2700x900x1400 mm 8.9x3x4.6 ft	160 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
SAMP-250	Diamond blade Model: 350 mm/ 14 in	  
SAMP-267	Abrasive blade Model: 300 mm/ 12 in	 



PLUGGING & CUTTING

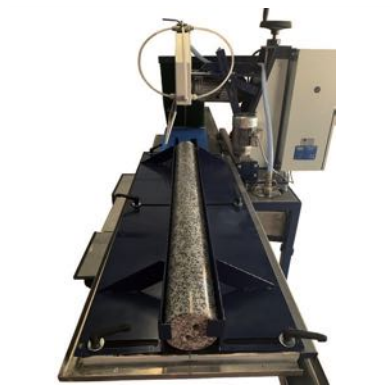
CORE CUTTING > SLABBING SAW 450



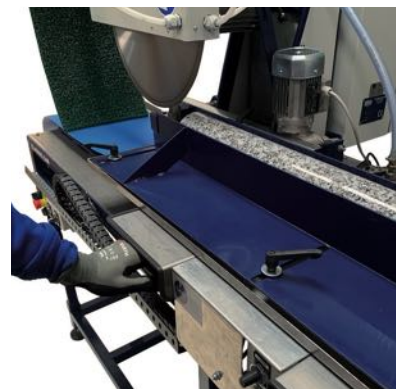
WATCH VIDEO



SLABBING UNIT 450



ELECTRIC CORE SUPPORT








MECHANICAL AND SAFETY
ACTIVATION

The Slabbing saw 450 is adapted for wellsite and laboratory environment offers the main advantage that the core sample is mechanically moved to the diamond blade and cooled with steerable fluid setup. This safety system provides more sensitivity of the cut which is really essential particularly when biscuit slices are processed. The innovation of this instrument comes also from the regulator system of the height of the blade above the inner tube (Aluminium, Fiberglass). Moving a manually mechanical crank, the operator can adjust with millimetre accuracy the abrasive blade at the inner tube and cut it prior to plugging or photography operation.

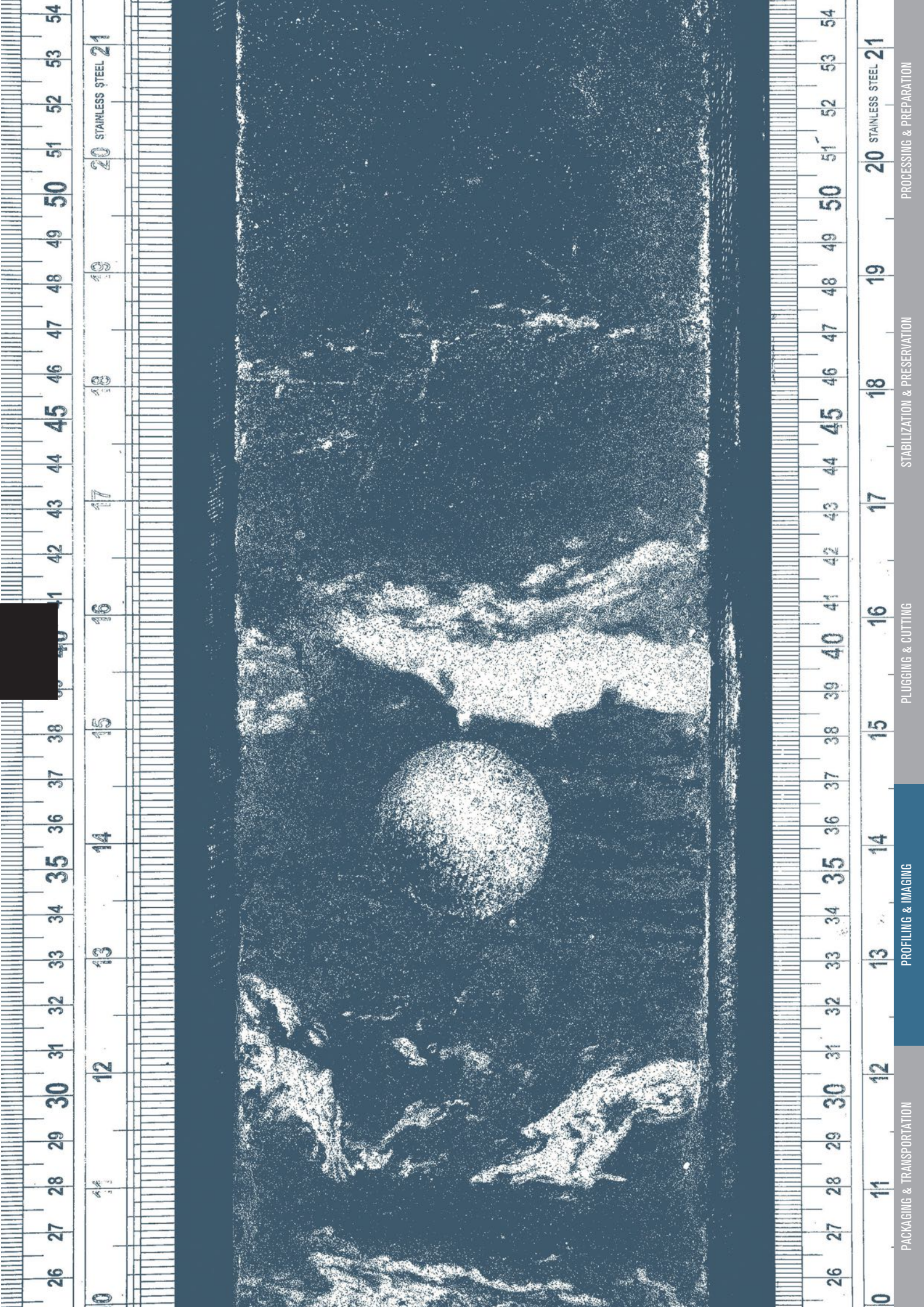
Ref.	Model	Material	Dimensions	Weight
SAMP-402	Motor <i>Power supply:</i> 380 V/ Three-Phase/ 50-60 Hz <i>Motor power:</i> 3 kW Peak <i>RPM:</i> 2800 Structure <i>Maximum cutting depth:</i> 165 mm/ 6.5 in <i>Maximum cutting length:</i> 1000 mm/ 3.33 ft Diamond blade <i>Diameter:</i> 450 mm/ 18 in <i>Thickness:</i> 3 mm/ 0.118 in Fluid system <i>Pump:</i> 370 W/ 20-100 L/min <i>(depend on viscosity)</i> <i>Lubricant system:</i> 3x Nozzles <i>Tank capacity:</i> 60 L Slabbing unit power supply requirement 7kW peak, 380V/ three-phase/ 50-50 Hz	Steel and Galvanized	2700x900x1400 mm 8.9x3x4.6 ft	260 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
SAMP-251	Diamond blade <i>Model:</i> 450 mm/ 18 in	  
SAMP-267	Abrasive blade <i>Model:</i> 300 mm/ 12 in	 

PROFILING & IMAGING







PROFILING & IMAGING

SPECTROMETER > PORTABLE GAMMA RAY



WATCH VIDEO



PORTABLE GAMMA RAY



LEAD SHIELD





DATA ACQUISITION

Geofactory offers a gamma-ray spectrometry for geological core logging. This BGO 2"X 2" crystal detector and lead shielding should be used for focused measurement of cores or for stratigraphic measurements. Using internal constants based on IAEA traceable calibration pads, the Portable Gamma Logger can compute precise rock concentration of K (%), U and Th (ppm). Results are displayed immediately after the end of measurements. They will be stored in the instrument and/or sent to appropriate external devices via Bluetooth or Wi-Fi. It also uses an advanced method of automatic stabilization on natural background radiation throughout its operation. This unique stabilization method eliminates the need for an additional radioactive check source. Specific software for Coring industry is included.

Ref.	Model	Material	Dimensions	Weight
IMAG-101	Device <i>Detection: BGO- 51 mm x 51 mm</i> <i>Shield: 25 mm lead</i> <i>Spectrometer: 1024 channels, 40 Mhz</i> <i>DSP, linear energy corrected, pileup rejector. 200 ns resolution</i> <i>Acoustics: Loudspeaker, 28 mm diameter and built-in microphone</i> <i>Sensitivities : Potassium 200 cpm/% K; Uranium 18 cpm/ppm U; Thorium 8 cpm/ppm Th</i>	Steel and lead	335x120 mm (Diameter)/ 13.2x4.7 in (Diameter)	9 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
IMAG-111	Kit of calibre <i>K,U,Th and aluminium dummy</i>	
IMAG-121	Toughbook <i>Software installed: Geomon</i>	



**ALSO
UPON
REQUEST**

SPECTROMETER > GAMMA RAY FOR CUTTING

The gamma spectrum analyser is designed to analyse crushed rock (minimum 100 gr). Floor standing and easy to operate, in 5 min this instrument will analyse the Uranium, Thorium and Potassium content of the geological sample.





CORE STUDIO



CONNECTED DEVICE (UV/WH)






INSTANT EDITOR

The Core Studio is the imaging device indispensable to photographing drill cores under White Light and Ultra Violet Light. The Blackbox studio, supported by a core ranking structure that can accommodate up to 35 meters of core. The whole setup is controlled by a specific software that allows, in its full version, the control of the camera/light system, data management and the opportunity to edit a final report. The Core Studio delivers fast high-resolution results and it is perfectly suited for both laboratory and wellsite environments.

Ref.	Model	Material	Dimensions	Weight
IMAG-101	Studio structure <i>Power supply: 220 V/ 50-60 Hz</i> <i>WL-Day light:</i> <i>4x fluorescent lamp -36 W 6500 K</i> <i>UV-Black light:</i> <i>4x fluorescent lamp -36 W 5000 K</i> <i>Uninterruptible power supply:</i> <i>1x PH 9420 - 2000 VA/ 1200 W</i> <i>2x battery - 12 V/ 9 AH</i> <i>External connection: USB (Camera & motor)</i> <i>Joystick (manual control of the motor)</i> Photographic setup <i>Camera resolution:</i> <i>6016x4016 pixels- 24.3 Megapixels</i> <i>Objective lens: Focal length- 60 mm</i> <i>Maximum/minimum aperture- f/2.8; f/32</i> <i>UV lens filters: 62 mm transparent</i> <i>62 mm orange</i> <i>Laptop: 15.6 inches</i> <i>i7 processor</i> <i>8 GB RAM</i> <i>1 TB HDD Laptop</i> <i>Extra screen: 495 mm/ 19.5 in</i> <i>1600x900 (resolution)</i> Software: <i>Specifically designed -</i> <i>consult us for more detail</i>	Phenolic resin plywood and steel	1760x750x2250 mm 69.29x29.53x40.55 in	380 Kg 844.44 Lb



► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
IMAG-111	WL-Day light <i>Fluorescent lamp- 36 W 6500 K</i>	
IMAG-112	UV- light <i>Fluorescent lamp- 36 W 6500 K</i>	
IMAG-123	Camera battery <i>According to the camzera model</i>	



ALSO UPON REQUEST

DIGITAL PHOTOGRAPHY > SMART STUDIO

The Smart Studio is designed to process a quick record of the samples shooting 3 cores per picture. Perfect for onsite environment and for data archiving.



RELATED PRODUCTS



SLABBING SAW



DAF™ SYSTEM



FLUID PIPE



GEOBATH LARGE



PACKAGING & TRANSPORTATION



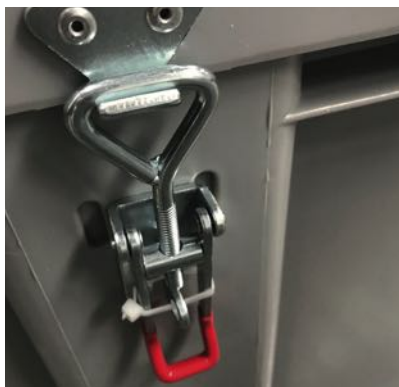


PACKAGING & TRANSPORTATION

CORE TRANSPORTATION > GEOBOX CORE CONTAINER



WATCH VIDEO



LOCKOUT SYSTEM



FOAM LAYER



GEOBOX CONTAINER

The Geobox core container is made of rigid and durable polyethylene material manufactured from a single mould. When closed, it is fully waterproof and it is equipped with two lockout systems. The Geobox core container is provided with special shock absorbent pre-shaped foam layers. This packaging method guarantees the safe transportation by road, air or sea of your geological samples to its final destination.

Ref.	Model	Material	Dimensions	Weight
PACK-101	Core container 2^{5/8}" Capacity: 45 m/ 135 ft	PE-HD, polyethylene foam (closed cell)	1200x1000x800 mm 4x3.3x2.7 ft	50 Kg
PACK-102	Core container 3^{1/4}" Capacity: 30 m/ 90 ft	PE-HD, polyethylene foam (closed cell)	1200x1000x800 mm 4x3.3x2.7 ft	50 Kg
PACK-103	Core container 4" Capacity: 20 m/ 60 ft	PE-HD, polyethylene foam (closed cell)	1200x1000x800 mm 4x3.3x2.7 ft	50 Kg
PACK-104	Core container 5^{1/4}" Capacity: 12 m/ 36 ft	PE-HD, polyethylene foam (closed cell)	1200x1000x800 mm 4x3.3x2.7 ft	50 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
FERA-087	Combination padlock <i>Lightweight solid aluminium lock</i>	
FERA-056	Cushioning bag <i>Self-expanding foam</i>	
STAB-113	Shock tag label <i>Impact indicators</i>	
STIC-006	Warning label <i>"Handle with care- Geological sample"</i>	



**ALSO
UPON
REQUEST**

MONITORED TRANSPORT > SHOCK RECORDER

The shock recorder monitors and stores continuously parameters as shock (3-axis), temperature and Humidity along the transportation of the core container. Upon arrival, the measurements are wirelessly downloaded on PC. A system of real time transmission can be added to the device.



**ALSO
UPON
REQUEST**

AIRCRAFT TRANSPORT > LIGHTWEIGHT BOX

The Geobox Lightweight is a solution developed in accordance with a maximum weight imposed by some configurations of aircraft. The box can hold up to 4 meters of core samples stabilized with special foam inserts without exceeding 150 Kg once filled.





PACKAGING & TRANSPORTATION

CORE TRANSPORTATION > GEOBOX PRESERVATION



GEOBOX PRESERVATION



HANDLE SYSTEM



GEOBOX PRESERVATION FOR PLUG

The GeoBox Preservation range is manufactured to suit your specific requirements in terms of the secure transportation and storage of your wax-preserved core section samples or plugs. Made of birchwood and finished with a waterproof stain / aluminium, the boxes are cushioned with foam and provide easy and safe packaging.

Ref.	Model	Material	Dimensions	Weight
PACK-201	Geobox preservation for core section 2^{5/8}" <i>Capacity: 12 samples</i>	Birchwood, PN foam, aluminium	665x470x565 mm/ 26.1x18.5x22.2 in	16.5 Kg
PACK-202	Geobox preservation for core section 3^{1/4}" <i>Capacity: 12 samples</i>	Birchwood, PN foam, aluminium	665x470x565 mm/ 26.1x18.5x22.2 in	16.5 Kg
PACK-203	Geobox preservation for core section 4" <i>Capacity: 6 samples</i>	Birchwood, PN foam, aluminium	665x470x565 mm/ 26.1x18.5x22.2 in	16.5 Kg
PACK-204	Geobox preservation for core section 5^{1/4}" <i>Capacity: 6 samples</i>	Birchwood, PN foam, aluminium	665x470x565 mm/ 26.1x18.5x22.2 in	16.5 Kg
PACK-205	Geobox preservation for plug 1" & 1.5" Ø <i>Capacity: 35 jars/plugs</i>	Birchwood, PN foam, aluminium	625x465x140 mm/ 24.6x18.3x5.5 in	8.5 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
FERA-087	Combination padlock <i>Lightweight solid aluminium lock</i>	
STAB-113	Shock tag label <i>Impact indicators</i>	
STIC-006	Warning label <i>"Handle with care- Geological sample"</i>	



GEOBOX COOLER



PLUGS TRANSPORTATION









WHITEBOARD

Initially produced for military and medical requirements, this box will respond to your needs in terms of the transportation of a sample of rock in cold conditions. Manufactured with different polymers and filled with eutectic plates, the Geobox Cooler guarantees a chilled or frozen transportation (different temperatures are available). It can maintain the low temperature up to 7 days autonomously (depending on climate environment). The model designed for the shipment of the plugs is equipped with a foam support that can take 81 jars.

Ref.	Model	Material	Dimensions	Weight
PACK-304	Geobox cooler for core section <i>Internal dimension:</i> 686x297x335 mm 27.0x11.7x13.2 in <i>Volume:</i> 65 L <i>Capacity:</i> Up to 3 meters (depends on core diameter) <i>Eutectic plate:</i> 4x units, temperature available from 0 °C to -30 °C	Polyethylene	851x462x455 mm 33.5x18.2x17.9 in	14.5 Kg
PACK-305	Geobox cooler for plug <i>Internal dimension:</i> 686x297x335 mm 27.0x11.7x13.2 in <i>Volume:</i> 65 L <i>Capacity:</i> 81 plug samples <i>Sterile Jar:</i> 52x102 mm <i>Eutectic plate:</i> 2x units, temperature available from 0 °C to -30 °C	Polyethylene	851x462x455 mm 33.5x18.2x17.9 in	21.5 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
FERA-087	Combination padlock <i>Lightweight solid aluminium lock</i>	
STAB-113	Shock tag label <i>Impact indicators</i>	  
STIC-006	Warning label <i>"Handle with care- Geological sample"</i>	 



PACKAGING & TRANSPORTATION

CORE TRANSPORTATION > GEOBOX CHILLING



CHILLING BOX



FOAM LAYER



EUTECTIC PLATE

Perfect and cheaper solution for chilling transportation. The GeoBox Chilling is composed of elements 200 mm high, 60 mm thick, perfectly stackable with a robust steel clip. Inside of it, the core samples are blocked with foam support designed on your core diameter and different types of chilling plate are positioned on the inner tube to guarantee a chilling effect without freezing the rock sample. Easy to handle, the box is in EURO pallet size.

Ref.	Model	Material	Dimensions	Weight
PACK-301	Chilling box <i>Internal dimension: 1080x680x582 mm/ 42.5x26.7x22.9 in</i> <i>European pallet: 1200x800 mm (fumigated)</i> Eutectic plate <i>Dimension: 600x400x30 mm</i> <i>Temperature: Available from 0 °C to -30 °C</i>	Expanded Polypropylene (EPP)	1200x800x600 mm 3.9x2.6x2 ft	21.5 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
STAB-112	Steel basket <i>Security cage for transportation</i>	
FERA-148	White stretch wrap <i>Roll of 50 m/ 164 ft</i>	
STAB-113	Shock tag label <i>Impact indicators</i>	
STIC-006	Warning label <i>"Handle with care- Geological sample"</i>	



WATCH VIDEO

PACKAGING & TRANSPORTATION

CORE TRANSPORTATION > PORTABLE FREEZER



GEOFREEZER



PORTABLE UNIT



ADJUSTABLE SUPPORT

The Geofreezer is a self-sufficient refrigerated container designed for the transportation of chilled and frozen rock samples. The internal structure is calculated according to your needs and the function of the type of material you plan to transport (Piece of core, canister,...) to avoid any damages. The Geofreezer can be transported using convectional vehicles and guarantee a cold setup up to 80h (depends of environment). Delocalization, data recorder and special anti dust system can be additionally installed.

Ref.	Model	Material	Dimensions	Weight
SAMP-601	Freezer capacity <i>Max diameter = 200 mm/ 7.87 "</i> <i>Max height= 630 mm/ 24.80 "</i> <i>Temperature range= -20 °C to +10 °C</i> <i>(depends of external temp.)</i> <i>Permitted load= 120 Kg</i> Gas specification <i>R717 & R507</i> Temperature accuracy: +/- 1 °C Electric power supply options: <i>220 Vac, 115 Vac & 12 V</i> Battery capacity: 12V,80 aH Self-Sustaining refrigeration Unit <i>Min temp: Up to -20 °C during 72 h</i> <i>Operating time (depend of external temp.)</i>	Steel, stainless steel, PE & PU foam	1510x1100x810 mm 59.45x43.31x31.89 in	265 Kg



PACKAGING & TRANSPORTATION

CORE STORAGE > SINGLE BOXES



GEOBOX POLYP



PRE-MARKING




GEOBOX WOOD

Geofactory supplies a range of single Geobox adapted for medium or long-term storage. Made of treated wood or fluted plastic, these solutions will guarantee a perfect protection of your geological sample.

Ref.	Model	Material	Dimensions	Weight
STOR-201	Geobox polyp <i>Capacity: 1 m/ 3 ft</i>	Correx fluted plastic	Length= 3.4 ft Width= 5.5 in Height= 5.5 in	0.5 Kg
STOR-301	Geobox wood <i>Capacity: 1 m/ 3 ft</i>	Treated pine wood	Length= 3.5 ft Width= 5.5 in Height= 5.5 in	5 Kg

► SPARE PARTS AND COMPLEMENTARY ITEMS

Ref.	Description	Overview
STIC-004	Informative label- Core sections <i>Impact indicators</i>	



ALSO UPON REQUEST

NITROGEN TRANSPORT > GEOBOX CO2

The Geobox CO2 is made of polyethylene with foam filled cavities for excellent isolation values. It can store around 9 meters of core in the horizontal position and fully cover dry ice. Perfect solution for onsite freezing operation.



SPECIAL PROJECTS & SERVICES

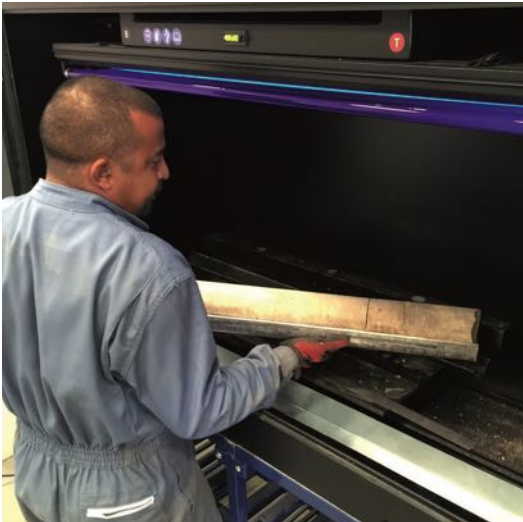


At Geofactory, we are able to use years of well-site core-handling expertise to assist you in advanced onsite projects. This includes standard core handling, core Chilling/Freezing, Digital photography, Core sample logging and unconsolidated core processing.

We will assist you in:

- Planning equipment requirements.
- Determining the quantity of consumables needed.
- Providing expert technicians to help you run the service and to train your staff.
- Drafting a full report on your behalf on completion of the operation.

CORE PHOTOGRAPHY



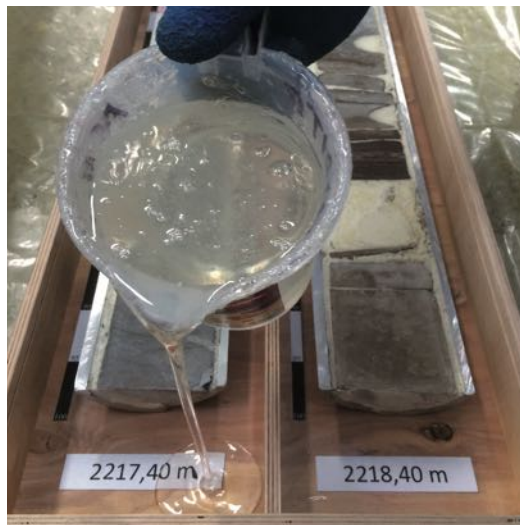
1/3 CORE SLABBING



MULTI-SENSOR BENCH

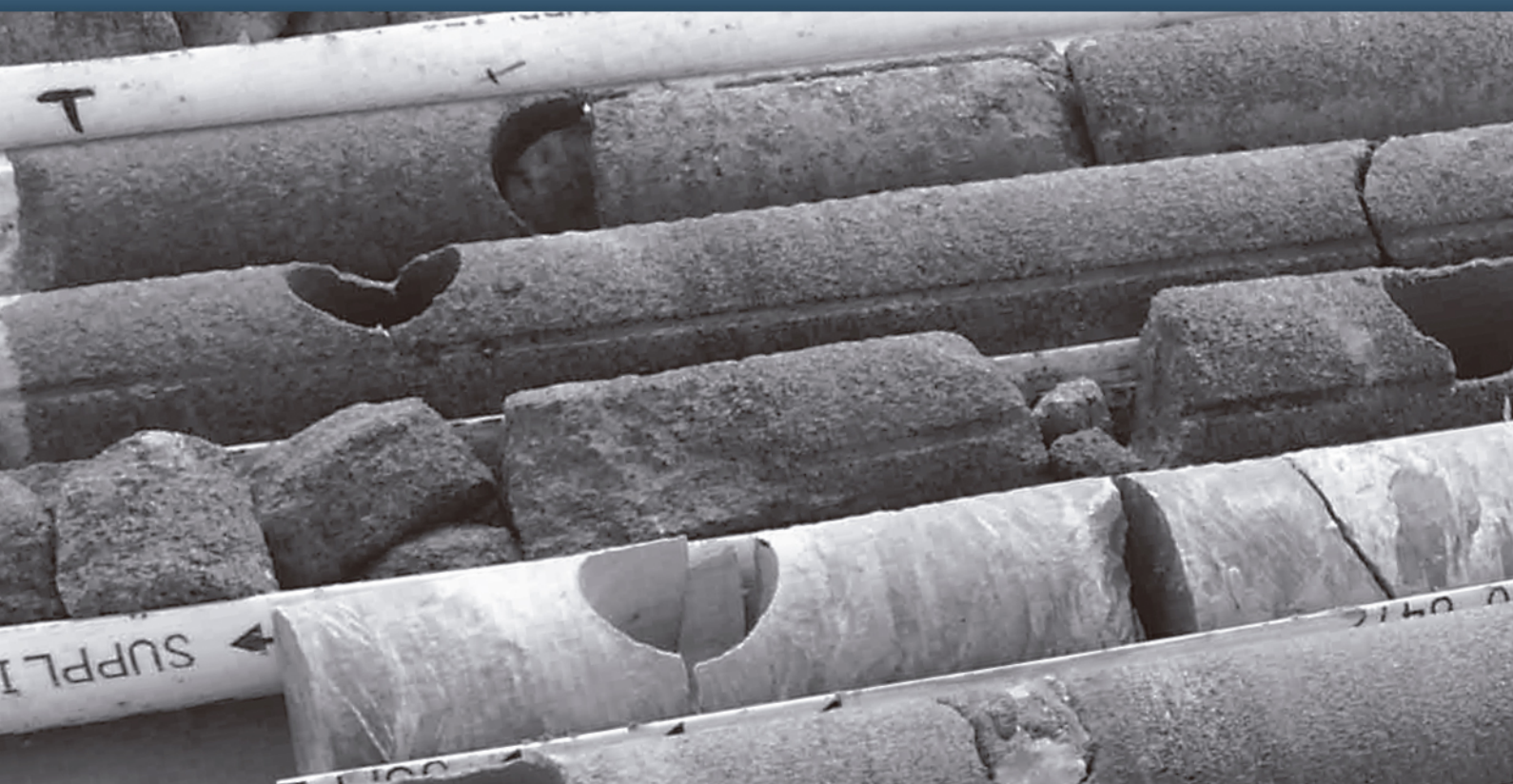


RESINATION TRAY



www.geofactory.eu

Watch our “test sessions” on



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