

PRODUCT INFO

PRODUCT NAME

DUAL - AXIS SAW

PRODUCT REF

SAMP - 101

PRODUCT DESCRIPTION

ROCK CUTTING SAW

PRODUCT CATEGORIE

OIL & GAS, EARTH SCIENCE,
LAB TESTING

QUICK GUIDE

The Dual-Axis Saw by Geofactory is designed for precise cutting of geological samples using a diamond blade, ensuring clean and controlled cuts on both rock pieces and drill cores. Its accuracy preserves sample integrity for reliable analysis.



BUILT IN STAINLESS STEEL FOR LONG-TERM DURABILITY AND RELIABLE PERFORMANCE

The Dual-Axis Saw range is designed for the preparation of geological samples, including rock pieces and drill cores. Its key innovation lies in the rotative rock holder, which allows the sample to be positioned at 0° or 90°, enabling precise cutting and sample preparation operations. Easy to set up and move, this saw is indispensable in both field settings and laboratory environments for rock preparation. High-precision engineering station designed for those who demand absolute accuracy in material processing. Whether you are working with stone or specialized core samples, the Dual-Axis Saw delivers industrial-grade performance in a streamlined, ergonomic package.

SAFETY FEATURES

✓ OPERATOR PROTECTION

- Impact-resistant polycarbonate screen protects the operator,
- Lateral operator position keeps hands away from the blade,
- Anti-fall mechanism prevents screen drop.

✓ MACHINE CONTROL AND EMERGENCY SYSTEMS

- Guard opening automatically stops the machine,
- Engine brake lever ensures fast blade stop,
- General isolator and emergency button cut power instantly,
- Easily accessible IP66 push buttons control motor and pump at 24 V safety voltage.

✓ OPERATIONAL STABILITY AND CUTTING SAFETY

- Tray locking system holds the tray in position,
- Anti-tilt tray system stabilizes the tray,
- Multi-position supports lock the sample securely.

✓ ELECTRICAL AND SYSTEM PROTECTION

- Copper grounding point and rod ensure safe earth connection,
- Overheat protection system safeguards motor and pump.

✓ INSPECTION AND MAINTENANCE SAFETY

- QR code links to the daily inspection checklist.



TECHNICAL DATA SPECIFICATION

DIMENSIONS (LxWxH)	MAXIMUM DEPTH	CUTTING LENGTH	WEIGHT	BLADE SIZE	MATERIAL
1370x780x1470 mm 53.94x30.71x57.87 in	135 mm 5.31 in	500 mm 19.69 in	139 Kg 306 lbs	350-400mm / 14"-16" Ø 25,4mm / 1"	Stainless Steel
POWER	MOTOR CAPACITY	RPM	FLUID SYSTEM	PUMP	TANK CAPACITY
Three-phase 380-400 VaC/50Hz	4 HP	2 800	Recirculating with a pump	Standard: 50 L/min Optional HV Pump: 300L/min	Standard: 100 L Optional Decanting: 230 L

ACCESORIES OPTIONAL ITEMS

HV PUMP

Using an adapted pump is crucial for handling dense fluids in geological applications, ensuring efficient fluid movement, preventing blockages, and maintaining proper lubrication and operational efficiency in geological sampling.

WATER DECANTING TANK

A water decanting tank is essential in a circulating water system when sawing rock, as it helps to settle and remove debris from the water. Using such a system ensures efficient cooling and lubrication of the diamond blade.

