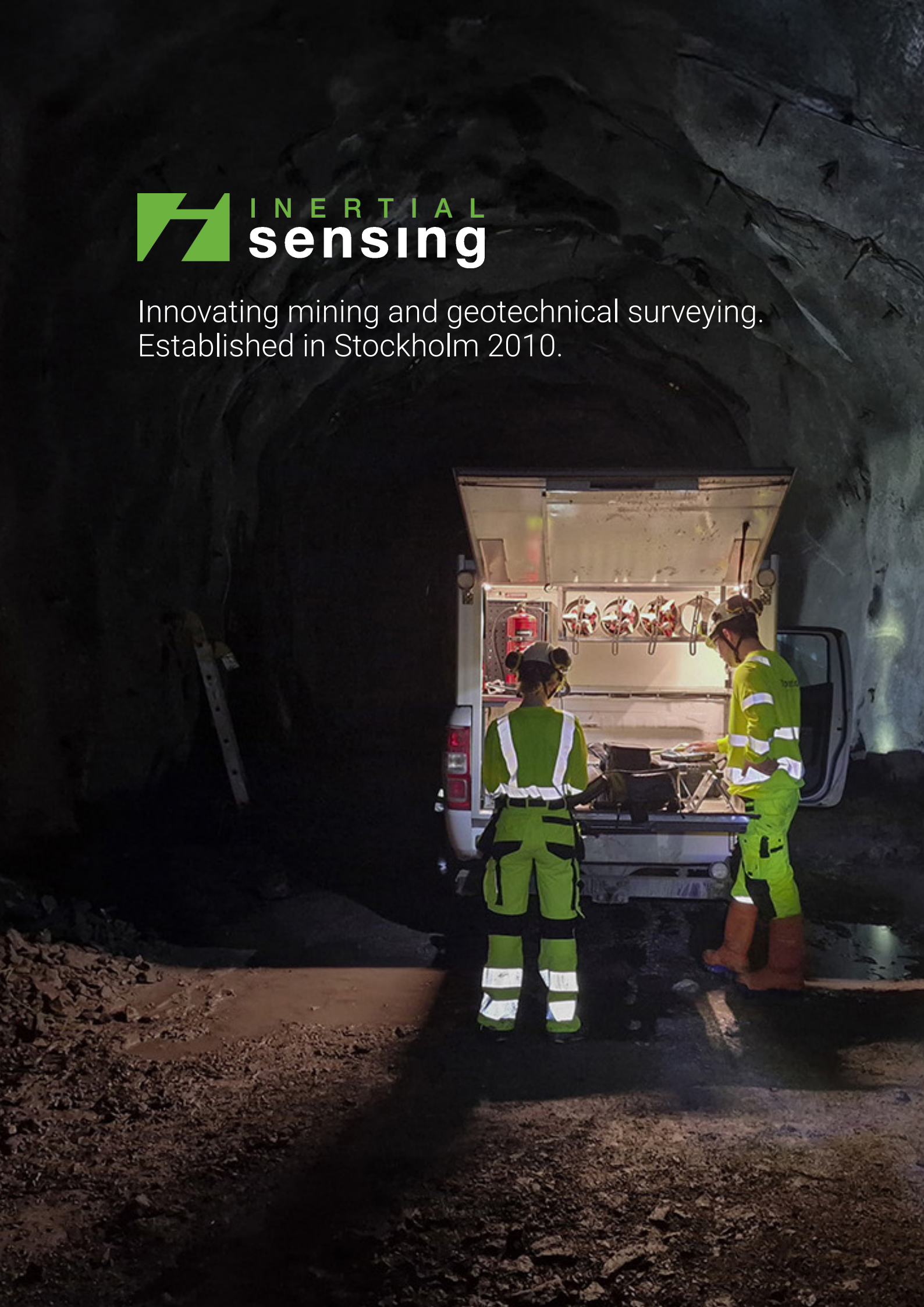
INERTIAL sensing

Innovating mining and geotechnical surveying.
Established in Stockholm 2010.



To our reader.



Borehole survey instrumentation for every need, that is what we create and supply around the world. For over 20 years our founders and staff have been living and breathing this remarkable industry and still burn to bring the most novel and useful instruments to our customers.

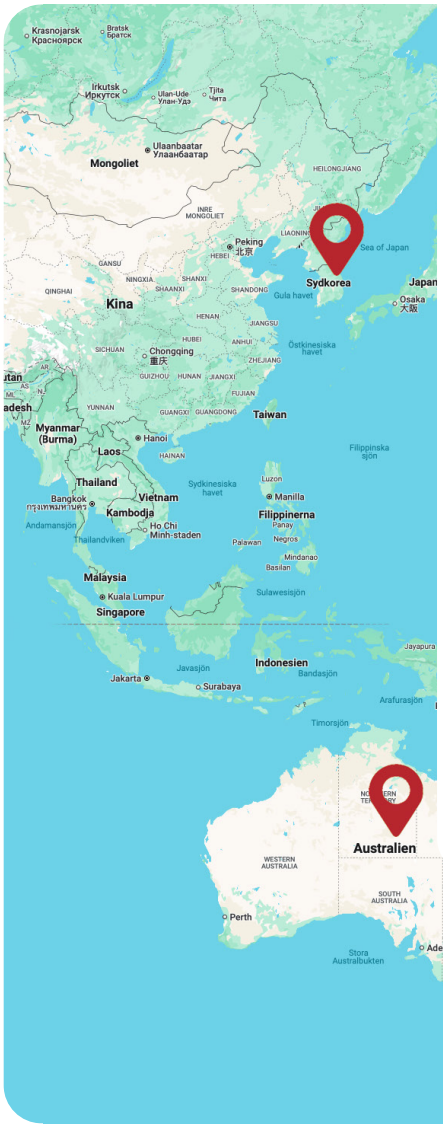


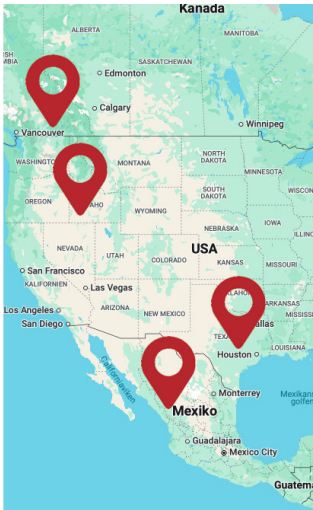
Inertial Sensing is a true Nordic company, found in Stockholm in 2010. Our products and services are backed with decades of combined experience in the field, and rigorously founded on the proper application of science and engineering. All in-house and carefully maintained.

From the very beginning we have aimed to offer the highest quality borehole survey solutions, with an emphasis on slimness and low power consumption, while maintaining the highest level of accuracy. We understand the obstacles in surveying the slimmest, deepest and most challenging boreholes, and build our instruments to match.

Our survey instruments assist in executing any job that requires drilling a hole in the ground, drilling core, preparing blasting patterns, directional drilling, raise boring, tunneling, geothermal, energy, ... the applications are almost endless. Measuring deviation, controlling direction, hitting a target, or reducing ore dilution, we have the package to suit.

Welcome to Inertial Sensing, a company that prioritizes service built on 26 years of manufacturing and 40+ years of experience.





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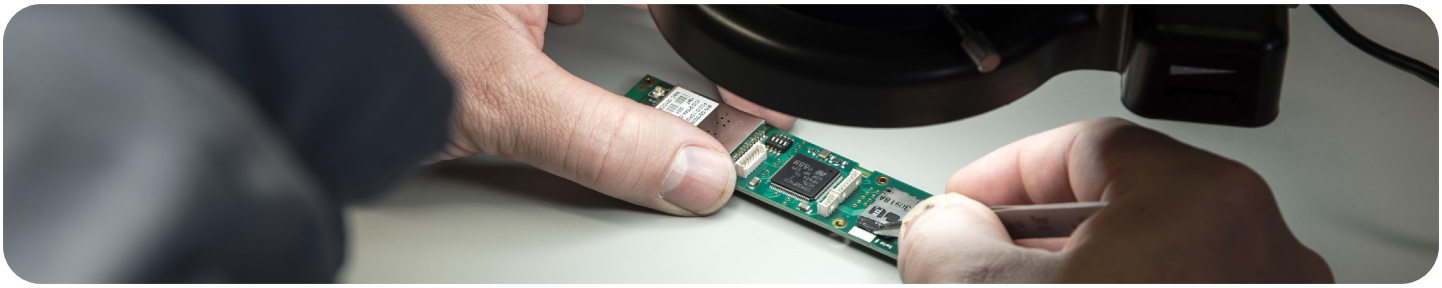


OUR PHILOSOPHY

Built on field experience. Driven by scientific precision. Cared for under one roof. We understand mining and geotechnical borehole surveying because we have been there in the field, underground, at the drill site. This real-world knowledge shapes everything we design and deliver.

Driven by field experience

Everything we design and deliver is built on decades of experience in the field with a wide variety of borehole survey instruments. It is imperative that everyone in the company, from software designers through to the CEO, knows how a survey tool is run in the field because they have been out there to deliver their work and get an understanding of the challenges.



Navigation technology expertize

A high precision borehole survey instrument is nothing if it is not backed by a deep understanding of scientific disciplines including inertial navigation theory, calibration procedures, advanced signal processing and hours spent poring over raw sensor signals. As someone once said of this industry, it is actually rocket science. Our founders have experience at the doctoral level in these areas going back thirty years each, and this forms the critical nucleus of the technical expertize that keeps us ahead of our competitors.

Everything under one roof

A precise borehole survey instrument does not live a life of its own. It came from somewhere, and its experiences will influence its successors. From continuous hardware and software updates for existing instruments, to designing entirely new platforms, it is critical that continuity of knowledge and expertize is maintained. Therefore, we keep all critical scientific, design, development and manufacturing, expertize in-house, under one roof.

Safety first

We are out in the field, we pay attention to the parts of our systems that can impact safety on site for your equipment and personnel. Our instruments are designed in harmony with this critical need.

Service minded

Being a small company ourselves, we understand the impact that quick turn-around times on service and support can have on operations. Whether you are a one-person operation, or a mine, we provide the same level of service from our expert engineers and technicians through our global network.

Exceptional quality

Accuracy and precision require an on-going foundation of scientific knowledge. Rugged and enduring construction require field knowledge and a legacy of mechanical understanding.

Data security

An understanding that the flow of data from the survey operator, through to the geologists or planners, perhaps via multiple hands, is critical in maintaining systems that enable efficient workflows without unnecessary interruptions and costs. Our secure, accessible and compliant cloud service is an integral part of this. In addition, there is no brick-walling of data. Your data is yours, and there is no locking-in of instruments and services to each other. Maximum freedom for you means better relations for us.

Novel solutions

Our innovations over the years have included the slimmest yet most accurate survey gyro, dual-gyro technology and the lowest power gyro systems for the longest survey times. We maintain our lead in these areas, and continue to push the boundaries. This derives from our deep understanding of what is scientifically possible, combined with field knowledge of what is practical, and what the operator needs.

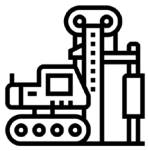
Sustainability

Efficiency and sustainability go hand-in-hand. Accurate survey data leads to smarter use of resources. Hitting targets more accurately, reducing re-drilling, optimized blasting to reduce ore dilution, lower fuel use, less rig down time. Scientifically proven, field tested precision instrumentation ultimately lead to a more sustainable operation.

WIDE APPLICATION RANGE

Precision gyro surveying across all drilling disciplines. From exploration to production, surface to deep underground, our solutions deliver verified directional control where accuracy matters. Freeze holes, pilot holes, anchor holes, or deep coring, we maximize productivity and safety across your operations. Proven performance. Purpose-built solutions. Your complete survey partner.

RC drilling



Navigate RC drilling with confidence. The SlimGyro™ and SlimTwin™ handle the irregular inner rod diameters where others fail, delivering accurate deep-hole surveys in an otherwise challenging situation.

Coring / Diamond drilling

An efficient solution for surveying while retrieving core. The GoGyro™, TwinGyro™, TwinXS™, and NorthFinder™ simplify procedures and software while giving maximum flexibility.



Directional drilling



Reliable steering measurements through high dogleg sections. The SlimTwin™ and TwinGyro™ provide dual survey redundancy for confident navigation in demanding trajectories. The NorthFinder™ is indispensable when you need just a single shot at bottom of hole.

Raise bore



Tight tolerances, verified straightness. The TwinGyro™ and SlimTwin™ deliver redundant dual gyro reliability for critical infrastructure.

Blasting / Production

Reduce ore dilution, improve efficiency and safety. The BlastGyro™ is the slimmest, lightest and easiest to use blasthole survey gyro. Where speed and ease of use is paramount, the BlastGyro™ is king.



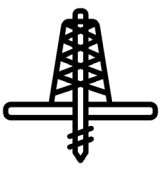
Tunneling



Precise control for demanding civil engineering projects. The SlimTwin™ and BlastGyro™ complement each other over long and short distances.

Downhole navigation

Complete solutions for every drilling challenge. Dual gyro precision and market-leading accuracy from the SlimTwin™, TwinGyro™ and TwinXS™. The BlastGyro™ and GoGyro™ are the workhorses for heavy-duty shifts. Gyrocompass convenience and rig alignment with the NorthFinder™. Magnetic multishots in the form of the Compass25™ and Compass35™.



UNMATCHED DUAL GYRO TECHNOLOGY

Advanced dual gyro platforms set the standard for accuracy, reliability, and borehole access. Slim, rugged, and fully redundant, they deliver verified data for the most demanding drilling applications.

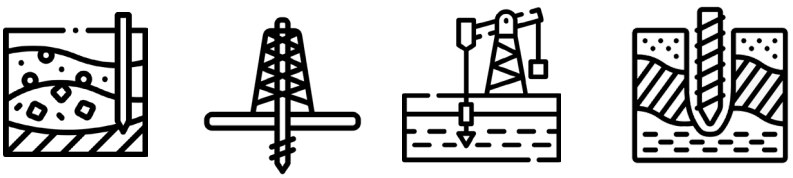
"TwinGyro™ is the fastest and simplest gyro we've used onsite. Two surveys in one... Brilliant! "

Goldfields, Western Australia



TwinGyro™ Rugged reliability

35mm dual gyro system with independent simultaneous survey. Reduces rig downtime and ensures verified results for directional drilling, coring, and raise bore operations.



Time and size

Battery:	100 hours
Diameter:	35 mm
Length:	1605 mm
Weight:	7.65 kg

Modes of operation

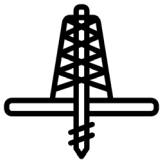
- Memory
- All inclinations
- Continuous
- MultiShot
- Orientation

TwinXS™ Compact underground version

A compact version of the TwinGyro™. Designed for underground work where access to the hole is limited to short instruments.







Time and size

Battery:	200 hours
Diameter:	35 mm
Length:	1497 mm
Weight:	6.65 kg

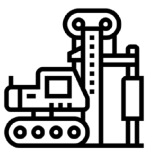
Modes of operation

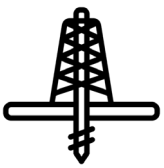
- Memory
- All inclinations
- Continuous
- MultiShot
- Orientation

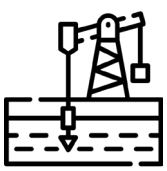


SlimTwin™ Maximum access

25mm dual gyro with full redundancy in the slimmest profile. Quick setup, high calibration, and reliable surveys across RC drilling, tunneling and raise bore.











Time and size

Battery:	50 hours
Diameter:	25 mm
Length:	1390 mm
Weight:	2.50 kg

Modes of operation

- Memory
- All inclinations
- Continuous
- MultiShot
- Orientation

COMMON ACCESSORIES

Attention to detail makes the difference. Professional surveying demands more than precision sensors, it requires a complete working system. Our accessories are purpose-built to solve real operational needs and challenges. Ensuring consistent results, survey after survey.

Centralizers

Maintain optimal probe position and results at vertical and boreholes of wider diameter. Sleeve centralizers for coring, KwikZip disposable centralizers for high volume & wear production work, and inline centralizers for almost any application.





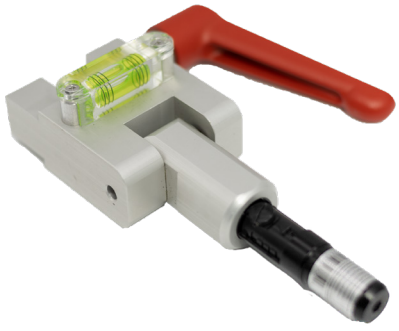


Sighting devices

Line-of-sight alignment measurement is critical for certain survey applications. A range of precision sighting devices are available for applications requiring them both on surface and underground. Optical scopes and laser pointers are available for attachment to any 25 mm or 35 mm gyro system.









Feeder reel

Our lightweight fiberglass construction provides smooth, tangle-free rod deployment. Ergonomic design enables single operator surveys with quick release mechanisms for daily production use.

Core retriever



Speed up coring operations with the use of the core retriever assembly. The 35 mm core retriever enables easy gyro surveying while simultaneously latching and pulling out the core barrel.

Wireless depth tracker (WDT)



Purpose-built for drilling operations, robust, reliable, and simple. Mounts directly on drill rod collar with Bluetooth connection to Surveyor software for seamless continuous gyro surveys. Also operates standalone via smartphone app.

Heatshields



High-temperature protection for demanding environments. Custom designed heatshields for geothermal, and hot mining applications. Premium components ensure reliable protection in extreme conditions.

THE WORKHORSES

Engineered for daily drilling where reliable performance drives success. Extended battery life, rapid deployment, and proven calibration maximize rig productivity across blast hole surveys, and coring programs. Precise azimuth and inclination data, simplified workflows, zero downtime.

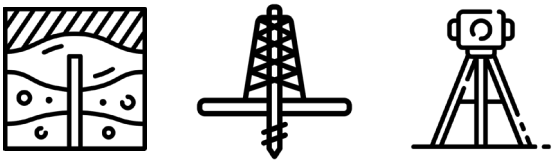
"The BlastGyro™ has become an integral part of the survey office equipment and contributes immensely to our striving for a safe and productive environment when conducting a survey task."

Gerhard Louw, Senior Mine Surveyor
Trevali RPZC, Namibia



BlastGyro™ TrueDepth enabled

Ultra-slim 25mm gyro with TrueDepth™ technology eliminates encoders, simplifies workflow, and provides accurate azimuth and inclination for production drilling and civil applications.



Time and size

Battery:	100 hours
Diameter:	25 mm
Length:	1390 mm
Weight:	2.90 kg

Modes of operation

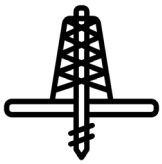
- BlastGyro
- Multishot
- Continuous
- TrueDepth

GoGyro™ Simplified surveying

Purpose-built for diamond drilling and coring with 200-hour battery life. Rapid deployment, high-end calibration, and reliability in demanding environments.







Time and size

Battery:	200 hours
Diameter:	35 mm
Length:	1605 mm
Weight:	7.65 kg

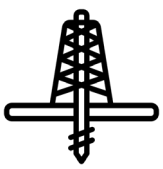
Modes of operation

- Memory
- All inclinations
- Continuous
- MultiShot
- Orientation



Compass25™ / Compass35™ Magnetic multishot

MEMS-based 25/35mm magnetic multishot for diamond drilling, coring, and production. Compact, precise surveys for magnetic-friendly boreholes.







Time and size

Compass	25mm	35mm
Battery:	1 month	1 month
Diameter:	25 mm	35 mm
Length:	1390 mm	1460 mm
Weight:	2.90 kg	6.20 kg

Modes of operation

- SingleShot
- MultiShot
- Orientation
- Vertical

FIELD-PROVEN PACKAGES

Proven solutions built for real-world drilling. Each package is configured for reliability, speed, and accuracy-tested daily in diverse environments to deliver consistent results with minimal downtime.



BlastGyro™

Fast, safe, and proven for underground blast hole surveys. TrueDepth and templated setups eliminate encoders and on-site data entry.

Includes

- SlimGyro™ fully integrated 25 mm
- Rugged field computer
- Fiberglass feeder reel
- Underground sight
- KwikZip centralizers

Continuous wireline survey

Survey at speed, no station stops. Ideal for deep or high-volume programs with integrated Bluetooth depth tracking.

Includes

- Intergrated 25 mm or 35 mm gyro
- Rugged field computer
- Bluetooth wireline depth tracker





Rig aligner + Survey kit

Combines continuous NorthFinder™ gyro surveys with rig alignment all in one tool.

Includes

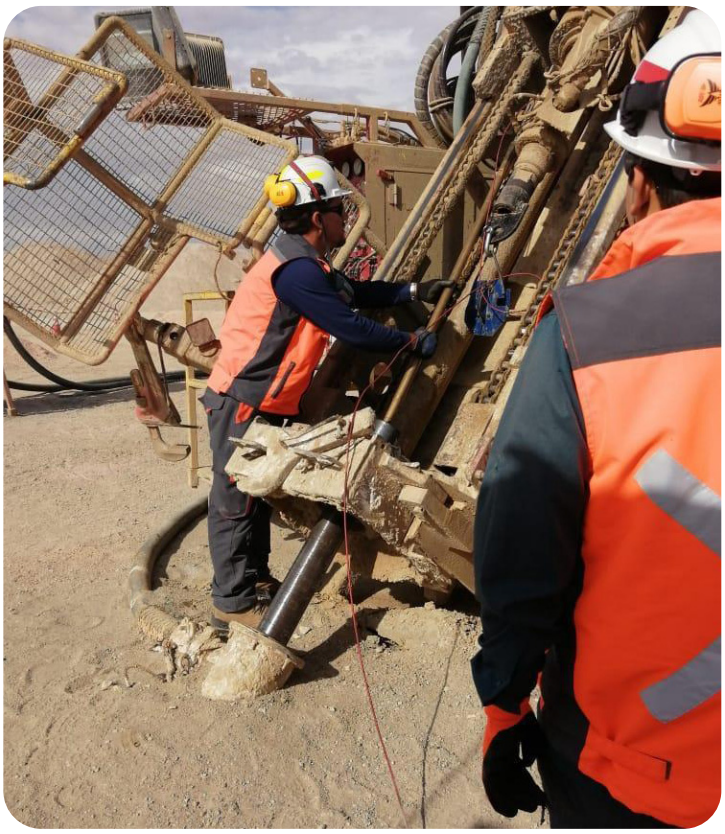
- NorthFinder™
- Rugged field computer
- Bluetooth wireline depth tracker
- Inline centralizers
- NF Rig Aligner mount
- Muleshoe orientation stinger

Core retrieval

Survey while retrieving core with a rugged 35mm probe. Fast, accurate, indispensable for diamond drilling operations.

Includes

- GoGyro™, TwinGyro™ or NorthFinder™
- Wireless depth tracker
- Core retrieval overshot accessories
- Rugged field computer



Do you need special adapters, custom accessories or other non-standard accessories? Talk to us to see what can be done!

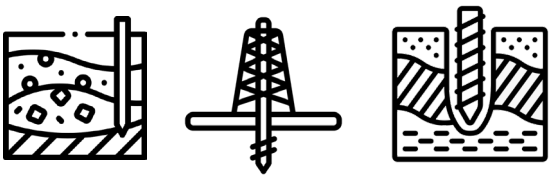
ABSOLUTE NORTHFINDING TECHNOLOGY

True north reference with continuous measurement ensures precision where it matters most. Hybrid MEMS/FOG platform delivers absolute azimuth independent of magnetic interference, critical for deep directional drilling and complex subsurface navigation.



NorthFinder™ Hybrid continuous gyro

Absolute northfinding for applications where directional accuracy is critical. NorthFinder™ delivers true azimuth, providing verified directional control in deep, complex, and high-risk drilling programs. Continuous measurement and high-density data ensure confidence from surface to end of hole.



Time and size

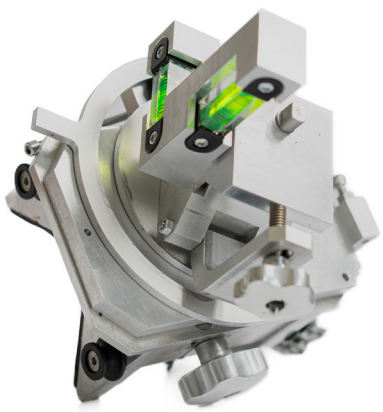
Battery:	30 hours
Diameter:	25 mm
Length:	1250 mm
Weight:	6,05 kg

Modes of operation

- Memory
- Singleshot
- Multishot
- Continuous
- Orientation

NF Rig Aligner™

Fast rig alignment attachment, designed for NorthFinder™. Streamlined setup delivers a stable absolute reference and reliable directional accuracy from vertical to horizontal operations.



OUR SOFTWARE

Our software is designed to simplify operations and protect data integrity. It connects field and office with secure cloud access, automated data transfer, and industry standard exports. Compatible with all major survey systems, it streamlines workflows, reduces manual handling, and gives teams full control over survey data, anytime, anywhere.

Surveyor™

Surveyor™ is fullly integrated with the SurveySafe™ cloud data management system, for immediate remote access to survey data

TrueDepth™

A breakthrough in continuous blast hole surveying. TrueDepth™ enables BlastGyro™ to measure depth directly inside the borehole, no encoders, cables, or external hardware required. The result is higher accuracy, faster surveys, simpler workflows, and reduced risk, eliminating common depth errors caused by rod slack and sag while improving overall operational efficiency.

SurveySafe™

Secure, cloud-based survey data management built for global operations. SurveySafe™ automatically transfers field data to the cloud when connectivity is available, ensuring secure storage, controlled access, and full traceability. Compatible with any survey system, it integrates seamlessly with existing planning and analysis tools, keeping teams aligned across sites, shifts, and time zones.

Analysis™

The Analysis™ tool is a robust platform for advanced survey data review. It supports multiple surveys, tools, and manufacturers simultaneously, enabling users to edit, compare, recalculate, and export data with ease. Its seamless integration with the SurveySafe™ cloud system ensures that data is always accessible and easy manage.



HQ

Connect with us at our headquarters
or find your local distributor today!

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Latest update: Febrary 2026

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