

GSS

GEO SITE SURVEYS Ltd

LAND DRILLING SPECIALISTS



info@geositesurveys.co.uk

TEL: 0161 282 8583

www.geositesurveys.co.uk

About Us

Founded in March 2006, Geo Site Surveys Ltd. is a trusted leader in geotechnical drilling with nearly two decades of experience. Our dedicated team of drillers ranks among the most skilled in the industry, thanks to extensive training and a commitment to staying at the forefront of geotechnical advancements.

At Geo Site Surveys, we prioritize safety, quality, and versatility, ensuring our team is equipped with the certifications and clearances needed to operate in diverse environments across the country. From secure government sites to challenging terrains, we are prepared to meet the unique requirements of each project.

Our team's qualifications include:

- * NVQ Certifications - (Land Drilling)
- * CSCS Certified - (Construction Skills Certification Scheme)
- * UXO Awareness - (Unexploded Ordnance)
- * Calm Water Certification
- * MF & RF Awareness - (Magnetic Field & Radio Frequency)
- * Emergency First Aid
- * Specialist MOD Clearance
- * HMP Level 1 Clearance
- * Abrasive Wheels Certification
- * ESUR Clean Water Hygiene Certification

With this comprehensive expertise, we are ready to provide efficient and reliable drilling services tailored to your needs. At Geo Site Surveys, we pride ourselves on professionalism, reliability, and a commitment to exceeding industry standards.



Geo Site Surveys Ltd - Geotechnical Services Overview

Rotary Drilling

- * Provides coring and open hole drilling using water flush, air, or mist to reach significant depths, suitable for various geological conditions and site requirements.

Cable Percussion Drilling (Shell and Auger)

- * Utilizes traditional rigs with options for soft ground balloon tyres.
- * Capable of 6", 8", and 10" cased or open hole drilling to substantial depths, ideal for diverse geotechnical investigations.

Compact Tracked Cable Percussion

- * Offers all the functionalities of a traditional rig.
- * Designed for accessing tight spaces and operating in low headroom conditions, making it versatile for challenging environments.

Windowless Sampling

- * Employs traditional lightweight rigs to depths of up to 10m for efficient and precise sampling.
- * All-Terrain Windowless Sampling: Capable of performing all standard windowless sampling methods while accessing difficult terrains that other machines cannot reach.
- * ECO Windowless Sampling: Features an all-electric sampling rig that mimics the performance of a standard rig but without emissions or noise, perfect for indoor projects.
- * Modular Windowless Sampling: Consists of a rig with an electric power pack, designed to be broken down into small modular pieces for operation in extremely confined spaces.

Concrete Coring

- * Offers versatile coring options, whether on-rig, off-rig standalone units, or even horizontal mounting, ensuring coverage for every potential requirement.

Dynamic Probing and Testing

- * Standard Penetration Tests (SPT), Cone Penetration Tests (CPT), Sacrificial Cone Testing, Undisturbed U38, U70, U100, and UT100 samples.

Installations

- * Installation of water and gas wells, Raised or flush we cater to a wide range of geotechnical and environmental needs.

If your required service isn't listed, share your specific needs, and we will tailor a solution to meet your geotechnical challenges.

Geo Site Surveys Ltd: Comprehensive geotechnical services designed to meet all your project needs. If you want it, we do it.

"Unleashing Power and Speed: Our Upgraded Drilling Rig for Faster Project Completion"



Rotary Drilling

Discover the new capabilities of our upgraded Rotary Machine.

At Geo Site Surveys Ltd, we are dedicated to delivering the highest standard of geotechnical drilling services. We are pleased to introduce our newly upgraded Rotary machine – a compact powerhouse built to elevate your drilling projects.

Compact and Agile:

Our Rotary machine is ingeniously compact, allowing it to access locations where other drilling machines simply cannot go. Once in position, it unfolds into an impressive drilling rig, ready to tackle even the toughest projects.

Versatile Drilling Methods:

Water Flush, Air, and Mist Drilling: Adapting to various ground conditions
Core and Open Hole Drilling: Achieve remarkable depths through dense materials and bedrock.

Odex Casing Systems: Perfect for drilling through sands and gravels.

Solid Stem or Hollow Stem Auger Drilling: Choose the best method for your specific needs.



Comprehensive Capabilities:

Our machine is not just limited to drilling. It excels in Dynamic Sampling, Dynamic probing, Standard Penetration Tests (SPTs), Cone Penetration Tests (CPTs), and concrete coring. This versatility makes it an all-in-one solution for your geotechnical requirements.

Enhanced Safety Features:

Equipped with a Chalmers Valve and a spark arrestor, our machine is safe to use in sensitive environments, such as fuel stations. Safety is our top priority, and our equipment meets the highest standards.



Unmatched Performance:

Power and Speed: Recent upgrades have significantly boosted the machine's power and speed, ensuring faster project completion.

Efficient Water Delivery System: Enhanced for maximum efficiency, reducing downtime and operational costs.

Economical Operation: Our advanced features ensure that you get the most cost-effective and efficient service available.

Why Our Machine Stands Out:

Don't let its compact size fool you. Our Rotary machine competes with, and often outperforms, larger competitors. The recent upgrades have transformed it into a high-speed, high-power, and highly efficient drilling rig that will exceed your expectations.



Expert Cable Percussion Drilling Services



At Geo Site Surveys Ltd, we specialize in professional cable percussion drilling using traditional Dando rigs, renowned for their durability and reliability. Our equipment is versatile and can accommodate a wide range of casing sizes, including 6", 8", 10", and more, allowing us to drill to substantial depths for all your geotechnical investigation needs.

Our rigs are fitted with standard wheels for typical drilling conditions but can be easily equipped with oversized balloon wheels when required. This flexibility enables our rigs to traverse even the boggiest and most challenging terrains, ensuring access to difficult locations that other rigs might not reach. This capability allows us to provide comprehensive data from any site, no matter the ground conditions.



We also support a full range of standard tests, including Standard Penetration Tests (SPTs), Cone Penetration Tests (CPTs), bulk samples, disturbed samples, U100s, UT100s, and more, to deliver the precise data you need for your project.

For sites with potential Unexploded Ordnance (UXO), we offer specialized solutions. Our stainless steel casing allows for UXO scanning during drilling operations, providing an extra layer of safety and ensuring compliance with all safety regulations.



At Geo Site Surveys Ltd, all of our machines are regularly maintained, checked, and certified to meet industry standards, including SPT hammer certification. This rigorous maintenance schedule ensures that our equipment is always in top condition, ready to perform with accuracy and reliability.



The Game-Changer in Site Investigations:

Our Compact Tracked Cable Percussion Machine!



Versatility and Capability: This powerful machine does everything a traditional Dando rig can do and more. Whether you're conducting borehole drilling, sampling, or in-situ testing, our Compact Tracked Machine delivers precise and dependable results every time.

Superior Mobility and Access: Unlike standard rigs, our Compact Tracked Machine is engineered to fold down compactly into transit mode. This unique feature allows the rig to be remotely driven into the most confined spaces and tight access areas. With its compact design and maneuverability, you can easily transport it through narrow pathways, gated areas, and other difficult-to-reach locations, ensuring that no site is off-limits.



Optimized for Low Headroom Environments: Traditional rigs typically require a height clearance of around 7 meters, but our Compact Tracked Machine operates efficiently in spaces with just 4.9 meters of clearance. This makes it perfect for sites with overhead restrictions such as basements, tunnels, underpasses, and low-ceiling industrial areas. No matter how limited the headroom, our machine ensures seamless operation without compromising on performance.



Enhanced Efficiency and Safety: The compact and versatile design not only improves access but also enhances overall operational efficiency. By reducing the need for dismantling and reassembly, our Compact Tracked Machine minimizes downtime and accelerates project timelines. Moreover, its remote-controlled operation increases safety by reducing the need for manual handling in hazardous or difficult-to-access locations.



Dynamic Windowless Sampling



Our Competitor Lightweight Rigs:

Unmatched Power and Precision: Capable of window sampling up to 10 meters in depth, Standard Penetration Tests (SPTs), Cone Penetration Tests (CPTs) Dynamic Probing up to 15m, U38, and U70 sampling. Our rigs deliver the robust performance you need for comprehensive ground investigation.

Agility and Versatility: Despite their powerful capabilities, our rigs are lightweight and highly maneuverable, making them perfect for accessing even the most challenging and confined locations. Whether it's tight urban areas, remote sites, or places with limited access, our rigs are designed to get there.



Low Headroom Option: For projects with height restrictions, we offer rigs with a low headroom mast option, ensuring smooth operation in spaces with limited vertical clearance. This makes our service ideal for projects in basements, under bridges, or in other confined environments.

UXO Compatibility and Enhanced Safety: Safety is our priority, and we are equipped to operate in environments with unexploded ordnance (UXO). Our experienced team and specialized equipment ensure safe and effective sampling in all conditions. Plus, all our sampling machinery comes with the option of using stainless steel casing, which prevents interference when scanning for UXO, ensuring accurate and reliable detection.



Discover the Future of Geotechnical Sampling with Our All-Terrain Windowless Sampling Rigs!



Unleash the full potential of your geotechnical projects with our innovative All-Terrain Windowless Sampling Rigs. Designed for versatility and built for performance, these cutting-edge rigs provide unmatched capabilities to access even the most challenging terrains.

Unrivalled Versatility: Equipped to perform all standard tasks such as Sampling, Dynamic Probing, SPTs (Standard Penetration Tests), CPTs (Cone Penetration Tests), U38s, and U70s, our rigs deliver precise results for every project.

Save time and reduce costs by using one machine for multiple tasks across various terrains. Our rigs' multifunctionality and mobility mean fewer equipment changes and more efficient project completion.



Go Where Others Can't: With their powerful engines and expanded footprint, these rigs are engineered to traverse rugged landscapes that are off-limits to conventional machines. From steep slopes to soft soils, our rigs can go virtually anywhere you need them.

Built for Tough Terrain: The robust design and superior stability of our All-Terrain Rigs ensure you can conduct geotechnical investigations in areas previously considered unreachable, expanding your project possibilities.



Contact Us Now to learn more about how our All-Terrain Rigs can revolutionize your geotechnical projects and deliver results from places you never thought possible!

Introducing the ECO All-Electric Windowless Sampling Rig



Meet the future of geotechnical sampling: the ECO All-Electric Windowless Sampling Rig. This innovative rig performs all the standard tasks of a traditional windowless sampling rig, but with a revolutionary twist—it's completely fume-free and engine-free. Now, you can bring high-quality sampling indoors without the need for complex fume extraction systems.

Equipped with an onboard power bank, the ECO Rig effortlessly drives to its borehole location and then plugs into a standard 230V socket, 110V socket, or even a 3-phase socket to get the job done. Say goodbye to noise pollution, too—our rig operates at over 30% less noise than traditional models.



Our custom-designed, in-house-built machine turns electricity into hydraulic power, delivering the robust energy needed for precise geotechnical results. The ECO Rig also features a low-head optional mast for areas with height constraints, making it versatile enough for any job site. Plus, with a compact design that fits through a standard doorway, it easily accesses the tightest spaces, making it the perfect solution for indoor and confined area projects.

Go green without compromising on performance. Choose the ECO All-Electric Windowless Sampling Rig and experience fume-free, quieter, and more versatile sampling today!



Discover the Power of Flexibility with Our Modular Electric Windowless Sampling Service!



Introducing our innovative Modular Electric Windowless Sampling System, designed to meet all your windowless sampling needs with unmatched versatility and ease. Our modular system is capable of performing a wide range of tasks, including sampling, dynamic probing, Standard Penetration Tests (SPT's), Cone Penetration Tests (CPT's), and core sampling with U38 and U70 tubes.

The standout feature of our system is its modular design, allowing the equipment to be broken down into separate pieces for easy maneuverability. This means it can access even the most challenging and confined locations where traditional systems can't reach.



Versatile Power Options:

Our system is adaptable to your power needs. Whether you have access to a standard 230V socket, a 110V supply, or a 3-phase socket, our unit is ready to plug in and get to work. No power supply? No problem we can provide a generator to ensure you're never without the power you need.



Additional Customization for Every Project:

As with all our sampling rigs, the Modular Electric Windowless Sampling System is available with a standard mast or a low headroom option for those projects with confined roof heights. Additionally, we offer stainless steel casing, perfect for UXO scanning requirements.



Choose our Modular Electric Windowless Sampling Service for a flexible, efficient, and reliable solution

Unlock the Power of Precision with Our Coring Services!



At Geo Site Surveys Ltd, we offer versatile coring solutions tailored to meet your needs. Whether you're on the rig or off it, we've got you covered with our state-of-the-art coring capabilities.

On-Rig Coring: Core up to 150mm in diameter directly on the rig. Perfect for precise and targeted applications.

Off-Rig Coring: For larger requirements, our standalone unit can handle coring up to 300mm in diameter. This method is ideal for creating service clearance pit access, to accommodate insulated digging tools.

Deep Coring Expertise: We can reach impressive depths, making us the go-to choice for determining foundation depths and assessing subsurface conditions.

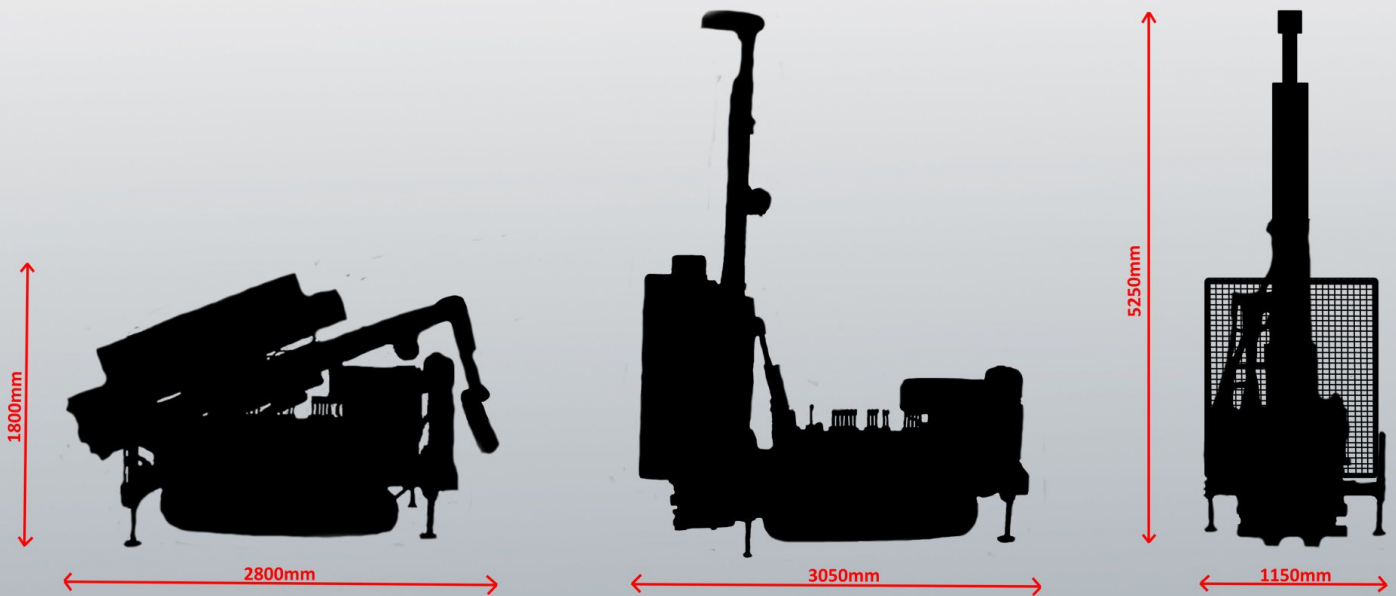


Horizontal Coring Capabilities: Need to assess wall thickness or inspect the condition of supports and bridges? Our specialized equipment allows for precise horizontal coring, helping you get accurate measurements of structural integrity and material conditions.

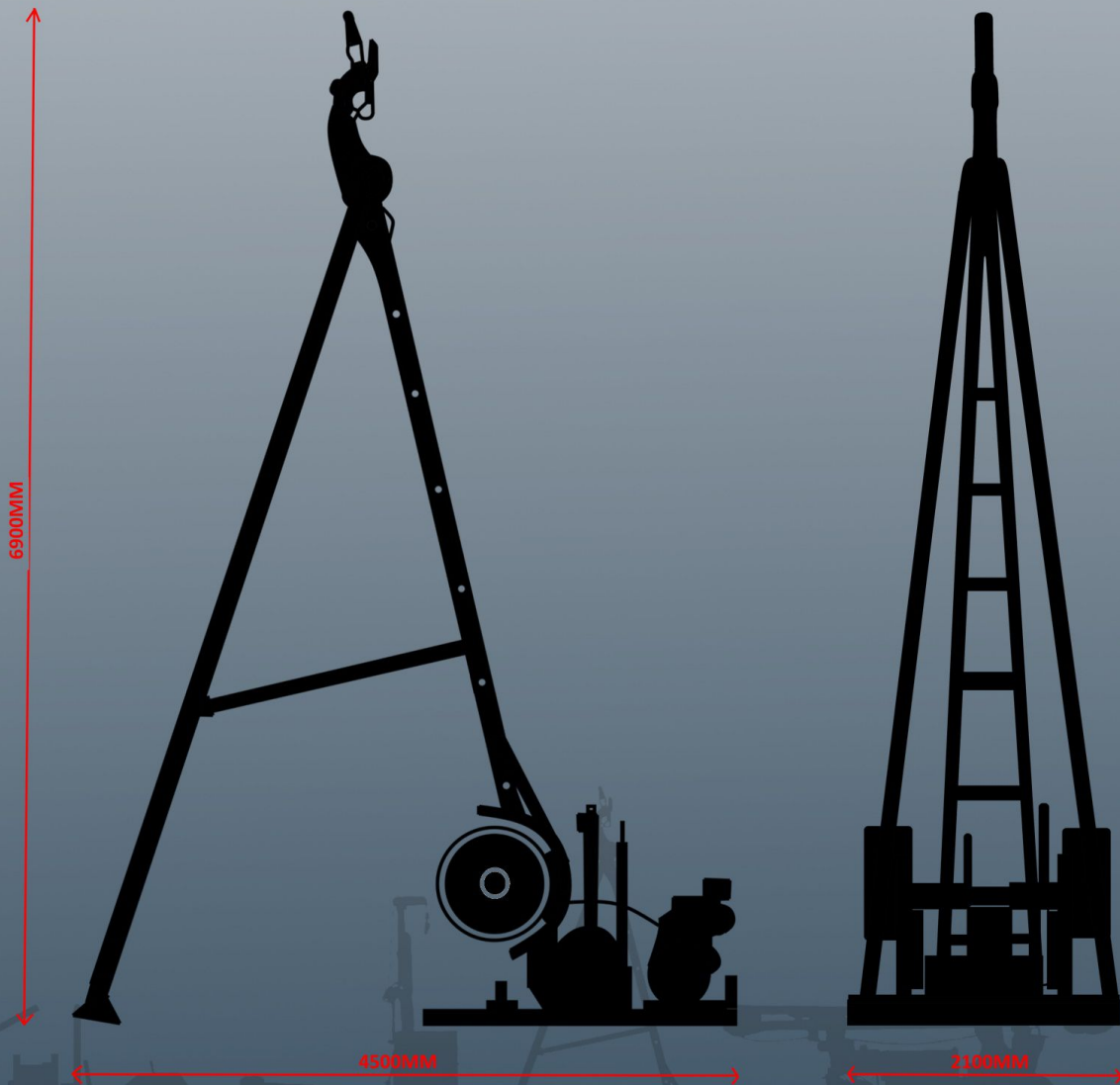
Maximize Your Day: We understand that time is of the essence. That's why our innovative wheel anchor system simplifies setup by eliminating the need for bolting down the coring units. By keeping the bulk of our heavy equipment in the truck, we streamline operations, allowing for faster coring under the right conditions.



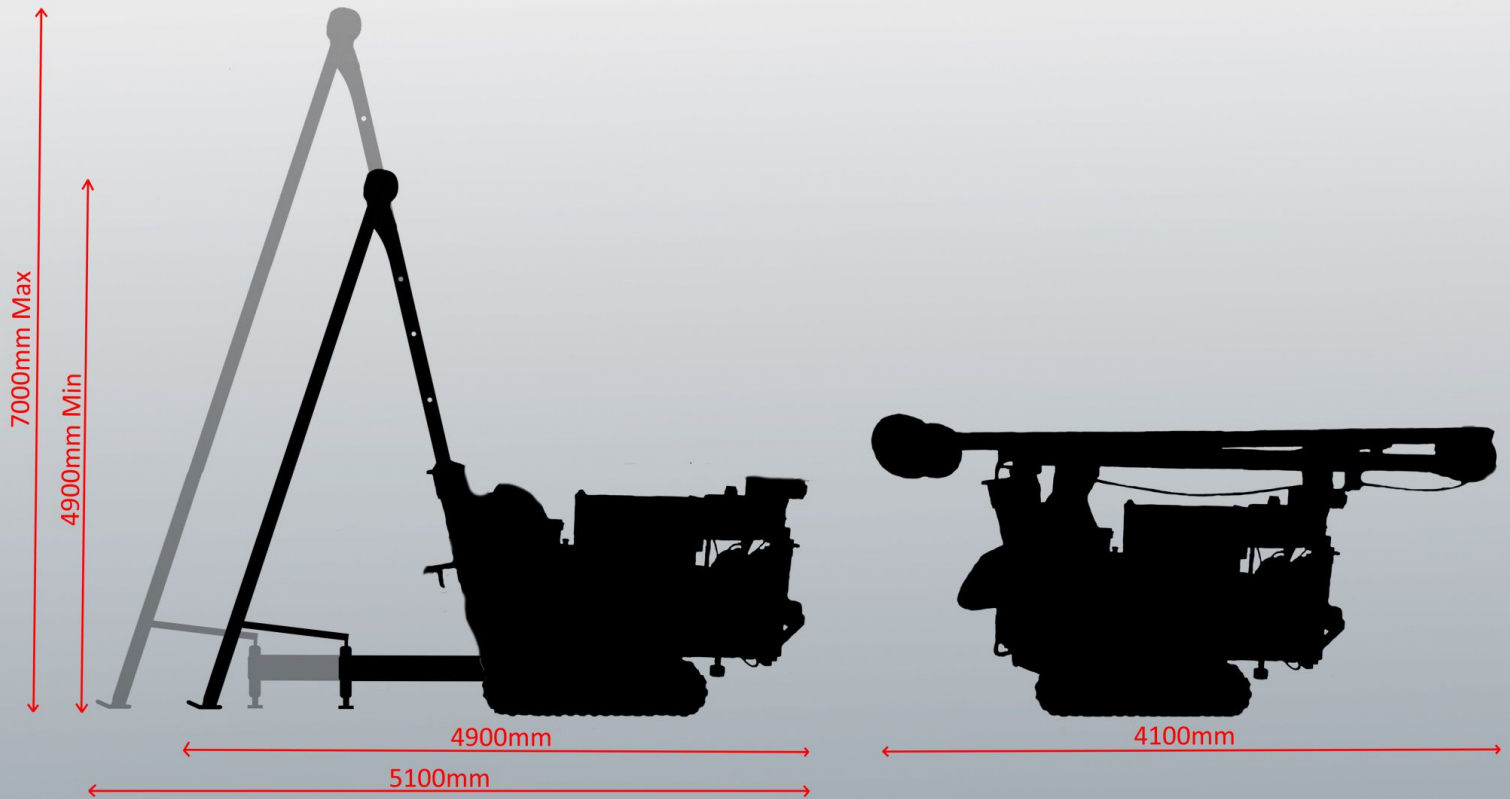
ROTARY DIMENSIONS



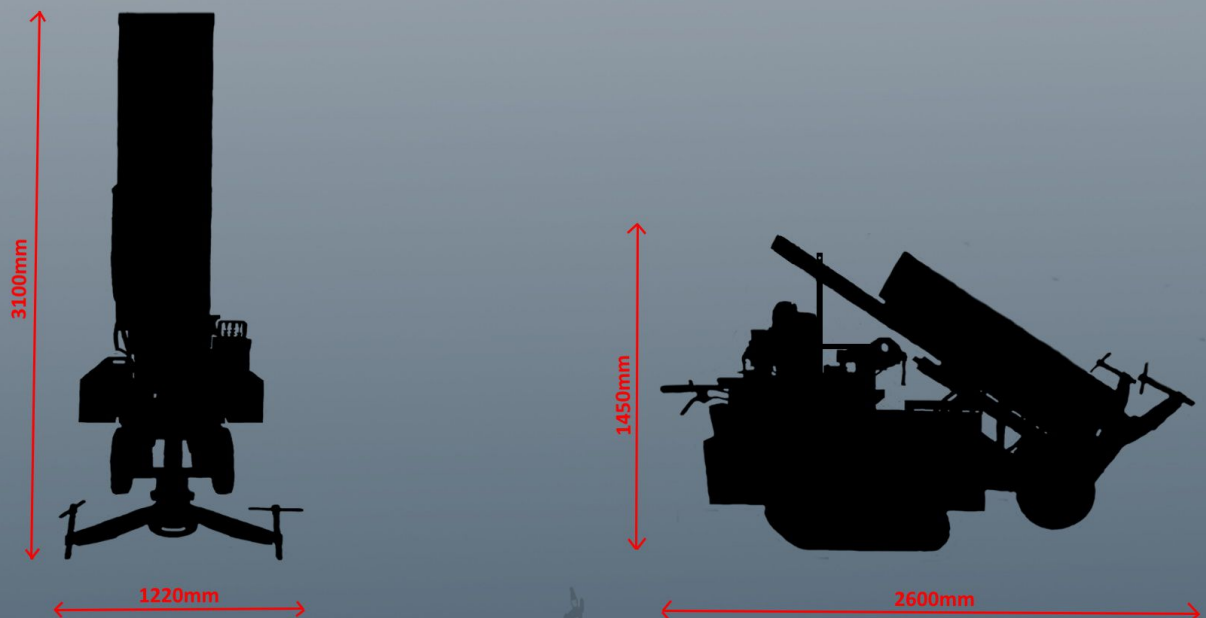
CABLE PERCUSSION DIMENSIONS



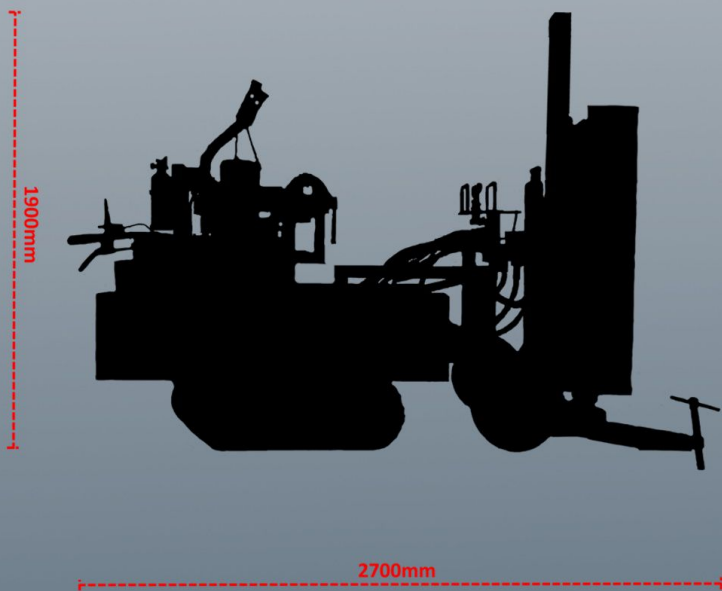
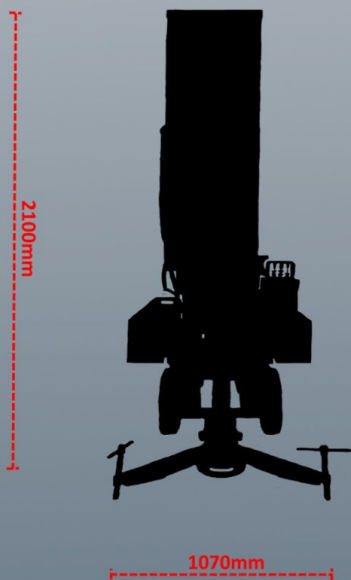
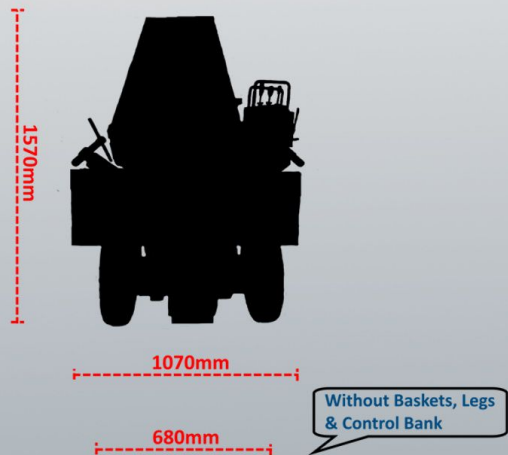
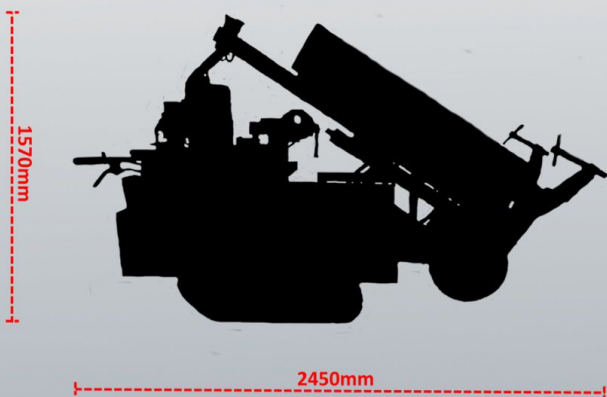
Tracked Cable Percussion



Windowless Sampling Rig



ECO ALL-ELECTRIC WINDOWLESS SAMPLER



All-Terrain Windowless Sampling



4250mm



2550mm

1400mm



1200mm



2400mm



3600mm

