



Product Solutions

About Us

Experience & Know How



Red Edge Resources, with a collective experience of over 50 years across various industries and operations, stands as a solutions-focused company ready to deliver the necessary expertise and guidance to enhance your project. We are deeply immersed in the ever-evolving world of machine guidance and equipment technologies, continuously adapting to stay at the forefront of innovation and deliver exceptional support to our clients.

Our expertise is built on a wealth of experience, not only from internal and past projects but also through our team's prior roles and extensive training with key technology suppliers.

We've partnered with industry leaders to provide comprehensive solutions for all your machine technology and survey needs, offering options ranging from entry-level systems starting under \$10k to top-of-the-line, premium solutions. The beauty of our approach lies in its flexibility—allowing you to upgrade at any time with add-ons, protecting your initial investment while expanding your capabilities as your business grows.

Our Services

What We Do



Your Precision Partners – Red Edge Resources

At **Red Edge Resources**, we go beyond just the sale – we build lasting partnerships based on trust and exceptional service. From consulting to installation, training, and repairs, we provide comprehensive solutions to meet all your needs.



Expert Installation Services

What sets **Red Edge** apart is our commitment to making the installation process seamless and hassle-free for our customers. With fully-equipped mobile tech vehicles, we offer **on-site installations**, un-installs, re-installs, and repairs directly at your job site or yard.

Our certified technicians are ready to ensure your equipment is up and running efficiently. Whether you need a new installation or a repair, our team is standing by to assist with all your machinery needs.



Comprehensive Training & Support

We understand that investing in equipment is only the beginning. To maximize your return, we offer **in-depth training** tailored to your environment. Our goal is to help you get the most out of your investment by providing ongoing support and hands-on training, ensuring you're confident in using your equipment.

At **Red Edge**, we're with you every step of the way, from setup to full utilization of your equipment. Partner with us for precision, reliability, and expert service.



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Excavator Solutions



Machine control systems for excavators, offered by Red Edge, are at the forefront of technological innovation in the construction and earthmoving industries. These advanced systems are engineered to enhance the precision, efficiency, and safety of excavator operations. By incorporating GPS, GNSS (Global Navigation Satellite System), and other cutting-edge positioning technologies, Red Edge's machine control systems empower operators to operate with unmatched accuracy and control that far surpasses traditional manual techniques.



Dozer Solutions



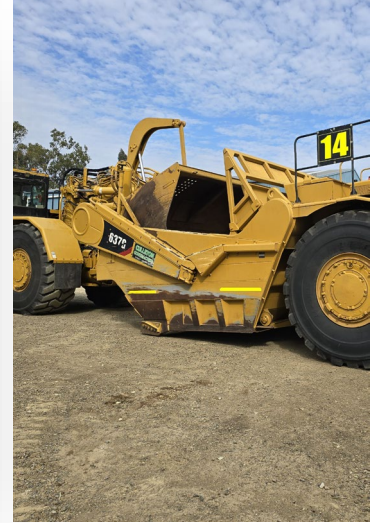
Red Edge provides machine control systems for dozers, which represent a significant technological advancement in the construction and earthmoving industries. These systems are designed to increase dozer operations' accuracy, efficiency, and safety. By integrating GPS, GNSS (Global Navigation Satellite System), and other positioning technologies, Red Edge's machine control systems enable operators to cut and sculpt surfaces with precision that manual operations can't match.

Scraper Solutions

Scraper

Machine control systems for scrapers, provided by Red Edge, showcase groundbreaking advancements in the construction and earthmoving sectors.

These sophisticated systems are specifically tailored to boost the precision, efficiency, and safety of scraper operations. Integrating state-of-the-art GPS, GNSS, and other positioning technologies, Red Edge's machine control systems enable operators to efficiently move, spread, and level large volumes of soil or aggregate. This precision control helps operators achieve the exact grading and contouring required, significantly surpassing the capabilities of traditional manual methods.



Grader

Machine Control Systems for Graders



We provide state-of-the-art machine control systems for graders, delivering precision, efficiency, and safety to the construction and earthmoving industries. Our advanced solutions leverage GPS, GNSS, and other cutting-edge positioning technologies to revolutionise grading operations.

By integrating these systems into your grader, operators can achieve unparalleled accuracy and control, far exceeding the capabilities of traditional manual grading methods.

Whether working on large-scale infrastructure projects or smaller precision grading tasks, Red Edge's machine control solutions ensure optimal results, reduced rework, and improved productivity.



Wheel Loaders



Machine Control Systems for Wheel Loaders

Red Edge offers cutting-edge machine control systems for wheel loaders, designed to enhance accuracy, efficiency, and safety in material handling and earthmoving operations. Our advanced solutions integrate GPS, GNSS (Global Navigation Satellite System), and other high-precision positioning technologies to empower operators with a new level of control and performance, far beyond traditional manual methods.

By equipping your wheel loader with Red Edge's machine control systems, you can achieve exceptional precision in material placement, stockpile management, and knowing where your pit floor is, resulting in increased productivity and reduced operational costs.

Skid Steer



The Benefits of Machine Control for Skid Steers

Machine control technology is rapidly becoming a game-changer for skid steers in the construction, landscaping, and earthmoving industries. These versatile machines, known for their agility and compact size, can greatly benefit from precision technology to enhance efficiency, accuracy, and cost-effectiveness in grading, excavation, and material handling applications.



Drilling Systems



MDS-2000 - High-end drilling system to improve mining operations

The high-end MDS-2000 drilling system from MOBA allows you to prepare your blast with precisely measured, uniform drill holes and increase your cost efficiency immediately. Save time-consuming, manual measurements and drill parallel holes of the same depth and angle in just a few steps with the assistance of the MDS-2000 system. Thanks to extraordinary modularity, you can also benefit from cost and time-efficient upgrades from a varied selection of additional components.

Pavers



The Benefits of Machine Control Technology for Pavers

Machine control technology, such as MOBA systems, is transforming the paving industry by delivering unmatched precision, efficiency, and quality. Whether for road construction, parking lots, or airport runways, integrating MOBA's advanced machine control solutions with pavers ensures superior results while reducing costs and improving operational workflows.

MOBA® **Xsite**® **EASY 2D**
MOBILE AUTOMATION



2D Machine Control Made Easy with Red Edge!



Experience the simplicity and precision of the Xsite EASY system, now available through Red Edge. This entry-level solution is designed for straightforward installation, providing accurate depth measurements, height and inclination of the bucket, and real-time bucket positioning displayed directly on the screen. Enhance your operation with an optional LED display that instantly shows whether the target level has been achieved or if further excavation is needed.

Ideal for foundation construction, excavation, embankment work, or leveling, the Xsite EASY system ensures efficiency and precision in every project. Get started today with Red Edge—your trusted dealer in cutting-edge excavation solutions!

Benefits of Xsite® EASY 2D



With Xsite EASY, you'll always know exactly how much to cut or fill. Material and transportation costs decrease as extra materials are no longer needed.

Avoid over- and undercuts



Xsite system's proximity alarm can be used to warn the operator when he is getting too close to existing structures or a powerline, for example

Increase safety on site



Xsite EASY guides the machine operator in attaining the target plane quickly and easily. When the job is carried out properly the first time, you can save time and money

Increase productivity





Xsite® PRO 3D – Precision Excavation and Grading with Red Edge

Upgrade to unparalleled digging and grading precision with the **Xsite PRO 3D**, available through **Red Edge**. Designed for both excavators and dozers, this advanced system builds on the 2D setup with powerful 3D capabilities, including:

- The ability to store and access 3D plans anytime.
- Real-time visualisation of your machine and attachment on site.
- Dual GNSS antennas for pinpoint accuracy, determining the exact position of your equipment via satellite.



The system's **8.4" touch screen display** offers clear, real-time machine and job site measurements, supporting tilt and rotating hitches, swing boom machines, and open data formats (DXF).

For dozers, the **MOBA Xsite PRO 3D Dozer System** includes **automatic blade control**, allowing operators to achieve the desired grade and slope with minimal manual input. Real-time 3D data integration ensures precise blade adjustments, reducing rework and enhancing productivity.

With the Xsite PRO 3D, you'll save time, fuel, and material while maximising the efficiency and performance of your equipment. Choose **Red Edge** for cutting-edge 3D excavation and grading solutions!

STONEX Machine Control

Effective and easy to install solutions for earthmoving, drilling and piling. Precision positioning of machines, buckets and blades.



Our machine control systems adapt to different machines and to different scenarios and applications. Over the years, Stonex has developed guidance and machine control solutions that are easy to install and use.



User friendly interface



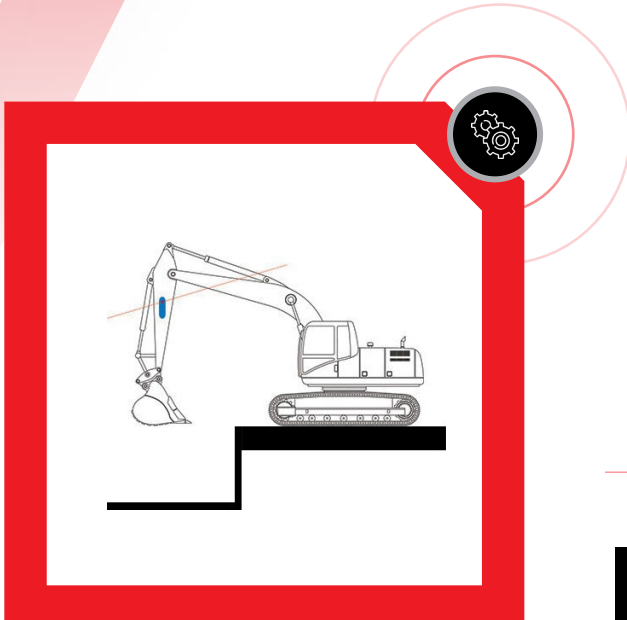
High accuracy system



Easy to install



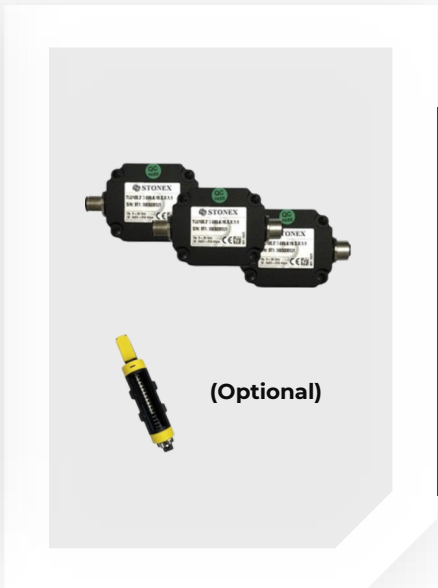
SUITE
STX-MC



1D System

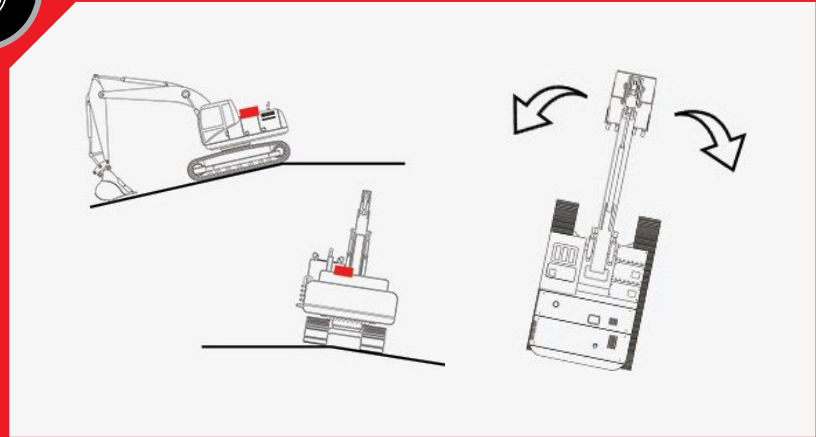
LASER REFERENCE (Optional)

The 1D system is the easiest to install and use. It allows you to manage the digging and vertical leveling phases quickly and precisely. It is a perfect starting point for the user approaching the world of machine control for the first time. Suitable for excavators and mini excavators. You can always check the bucket position from the screen in real time. Complex tasks such as underwater digging and blind digging are simplified because you can always keep an eye on the bucket on the screen. You can work with different height references such as an existing surface or a rotating laser.





STONEX
2D



The 2D system allows operations to be managed even on the horizontal plane, thanks to the use of a GNSS antenna installed on the machine (heading).

It is the simplest solution if you have to work with double slopes. You can create slopes and excavations in any orientation. Just enter the depth of the excavation, the slopes and you can start working. The system uses GNSS antennas like a compass. The system can work with the Touch and Go function or with the laser to transport the working height of the construction site.

PITCH

ROLL

COM PASS

LASER REFERENCE



STONEX 3D Pro



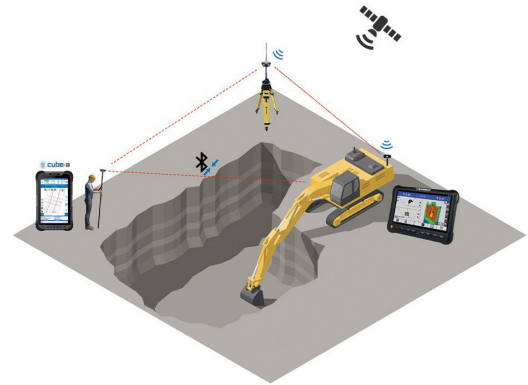
PRECISION POSITIONING



**IMPORT PROJECTS
(DXF, XML)**



**SOFTWARE OPTIMIZED
FOR MANAGING
COMPLEX PROJECTS**



3D Pro allows you to manage complex projects thanks to the ability to import geo-referenced projects.

The perfect integration of the data collected with field GNSS receivers and the excavation system makes the process very simple and fast.

The management of large and complex excavations can be managed with 3D Pro and Cube-a.



**OFF MACHINE
BASE & ROVER**

3D PROJECT TYPES



Import Of Geo
Referenced Projects



Define Area



Flat Surface



Surface From A-b

Hemisphere® VR1000 GNSS Kit



The Vector VR1000 is Hemisphere GNSS' premiere multi-GNSS, multi-frequency position and heading receiver designed specifically for the machine control market.

Providing precise heading, Athena RTK positioning, and full Atlas capability, its rugged design is compliant with IP69K, MIL-STD-810G, and IEC 60068-2 standards.



High-precision positioning in Athena RTK, Atlas L-band, and SBAS



Athena technology for improved RTK performance, especially with GLONASS, Galileo, and BeiDou



Atlas L-band technology, providing highly accurate corrections over the air



Heave of 30 cm RMS (DGNSS), 10 cm (RTK)



Pitch and roll < 1° RMS



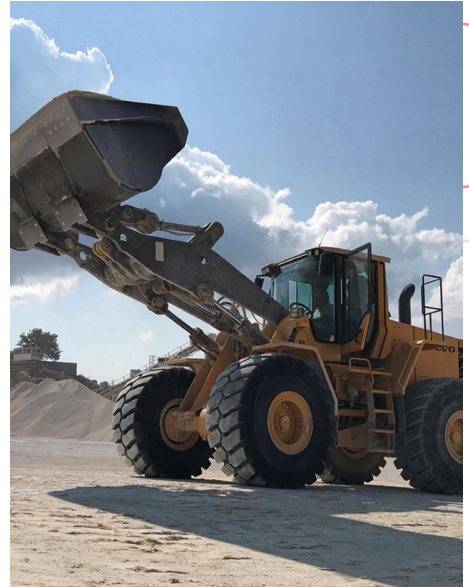
Heading accuracy up to .01°

HLC Weighing System

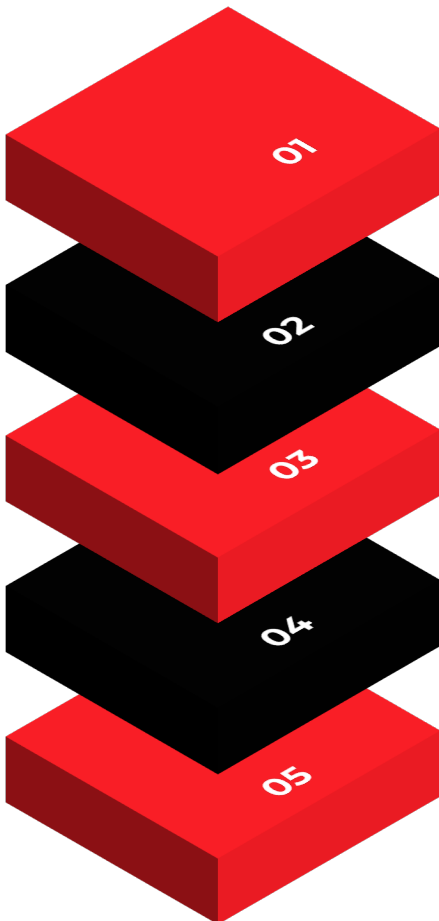
HLC 4000 Wheel Loader Scale – Precision Weighing with Red Edge



Since the 1970s, MOBA has been a pioneer in mobile weighing technology, and the HLC 4000 Wheel Loader Scale, available through Red Edge, represents the pinnacle of efficiency and reliability. Designed for dynamic weighing, the HLC 4000 allows you to determine exact load weights quickly and effortlessly during the loading process, eliminating the need for stationary scales. This system streamlines operations, saving valuable time and optimising your workflows. With intuitive operation and real-time feedback, you'll know exactly how much material has been loaded without additional effort.



Key Features



Intuitive Operation : Easy-to-use, user-friendly touch screen graphic display.

Optimized Loading : Prevents overloading and underloading, reducing truck turnaround times and improving fleet efficiency while minimizing overload fines.

Custom Data Management : Load customer and material lists individually from a USB stick for tailored load tracking.

Upgradeable Design : Modular options include the HLC 4000 printer and reversing camera, easily added as needed.

Efficient Weighing : Dynamic weighing calculates and displays a running total of material in each bucket, ensuring precise load management.



IMC Height Limiter



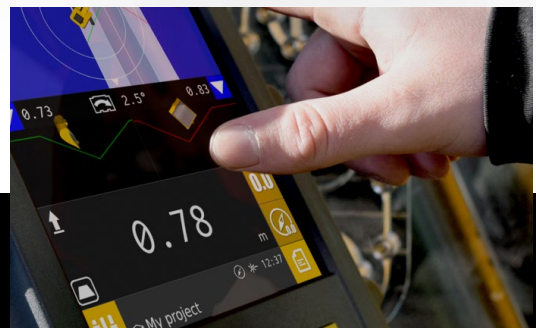
Excavator Safety with the Webbair IMC Height Limiter, Exclusively Distributed by Red Edge

Unlock unparalleled control and safety for your machinery with the Webbair IMC Height Limiter, now available through Red Edge. Designed to set the standard in height management, the IMC combines cutting-edge technology with ease of use to optimize your operations.

IMC Height and Slew Limiting System

Introducing Intelligent Motion Control Height and Slew Limiting System.

At Red Edge, we're proud to bring you the cutting-edge Webbair IMC (Intelligent Motion Control) motion limiter—a game-changer for control and safety in machinery operations. Designed with precision and advanced technology, the IMC is your ultimate solution for enhancing productivity while ensuring maximum safety.





IPD (Intelligent Proximity Detection)

Introducing IPD (Intelligent Proximity Detection) : The Pinnacle of Safety and Detection for Construction, Mining, and Rail.

For unparalleled safety and robust detection in demanding environments, choose IPD (Intelligent Proximity Detection)—the most advanced and reliable detection system on the market. Available now through Red Edge, IPD is engineered to excel in construction, mining, and rail applications, ensuring superior protection and operational efficiency.

Why IPD Stands Out

- **Robust Steel Construction** : Built to withstand the harshest conditions, our steel construction guarantees durability and longevity in even the most challenging environments.
- **Fail-safe Software Design** : With advanced fail-safe software, IPD ensures reliable operation without compromise, offering peace of mind and consistent performance.
- **No Batteries, No Wristbands, No Bluetooth** : Enjoy hassle-free operation with our battery-free design. IPD eliminates the need for wristbands and Bluetooth, reducing potential issues and maintenance concerns.
- **Multiple Detection Zones** : Whether it's Hi-Vis PPE detection, obstacle detection, or configurable warning and lockout zones, IPD offers comprehensive coverage to suit your specific worksite needs.
- **4.3" Color Touch Screen** : Navigate effortlessly with our intuitive 4.3" color touch screen, featuring live video of the detected area and an easy-to-use menu interface, or can be integrated into a 10" touch screen with Intelligent Motion Control "IMC" for the ultimate machine safety System
- **Live Video and Flexible Distance Settings** : Monitor real-time video of detected zones with adjustable distance settings ranging from 1 to 14 meters, allowing precise customization for your application.
- **M12 Connections** : Reliable and secure M12 connections ensure a stable and robust integration with your existing systems.
- **Versatile Detection Capabilities** : IPD utilises solid-state electronics and infrared time-of-flight technology for accurate detection across all ambient light levels. Enjoy audio, voice messages, and visual alerts for enhanced situational awareness.
- **Detection Event Data Logging** : Keep detailed records with built-in event logging, providing valuable insights for maintenance and safety audits.
- **Optional Features** : Enhance functionality with optional "Motion Cut" and external voice messages for added safety and communication on-site.

With 25 years of expertise in machine control, Red Edge delivers the most advanced detection systems available. Trust IPD to elevate your safety standards and optimise your operational efficiency.



Contact Red Edge today to discover how IPD can transform your worksite safety!



S900+ GNSS Receiver

Powerful Precision Performance

Stonex S900+ is equipped with a high-performance GNSS board with 1408 channels and can support multiple satellite constellations: GPS, GLONASS, BEIDOU, GALILEO and QZSS.



Through the 4G GSM modem, a fast Internet connection is guaranteed for receiving correction data and carry out precise and accurate surveys.

In the incredibly compact design, Bluetooth and Wi-Fi modules allow for always reliable data flow to the controller, while the integrated UHF TX/RX radio makes the S900+ the perfect system for a GNSS Base + Rover.

The S900+ is also equipped with optional IMU technology. Quick initialization, tilt up to 60° and corrected coordinates of a point with a single click.

S900+ works seamlessly with our Cube-a field software.



UT12P Rugged Tablet

6.0" Android Rugged Tablet

UT12P is a compact Android tablet, its efficiency and performances make it suitable for working in difficult conditions.

It has been designed to be **handy and pocket-sized with a very visible screen**, with which you can easily interact, using all the standard touch gestures. This device is optimized to work for an extended period without stopping, it is made for demanding tasks.

UT12P will work restlessly anywhere, anytime!



S80 Rugged Tablet

8.0" Android Rugged Tablet

The S80 is an **Android Rugged Tablet** that is accurate, resistant, and well-equipped, making it ideal for professionals who need a handy and lightweight device. The device is enriched with numerous features that make it excellent for carrying out tasks in many fields.

The S80 runs on **Android version 13**, providing access to its latest features, security enhancements, and optimisations.

The S80 features a very bright display with **800 nits** of brightness, ensuring excellent visibility even in bright outdoor environments.



R20 Total Solution



Precise, efficient and easy

The R20 range is composed of **3 versions**, the R20 **1000m** model with **2"** angular accuracy, the R20 **1000m** model with **1"** angular accuracy and the R20 **600m** model with **2"** angular accuracy.

The three models offer optimum performance up to 5000 m with prism and 1000 m or 600 m reflectorless. The entire R20 range is equipped with a **high-performance**, illuminated reticle **telescope** that provides the best quality of observation, whatever the environmental conditions.

The programs on board of these models of total stations make them suitable for any work in construction, cadastral, mapping and staking, through a user-friendly interface. Thanks to the presence of **Bluetooth connection**, it is possible to connect an **external controller**, giving the possibility to use a customised field software.

R60 Android Total Solution

Total solutions with android board

The R60 is a device with a 5.5-inch touch screen and the Android operating system, which provides users with a smartphone-like experience in terms of ease of use and familiarity. With the **Android OS**, operators can easily access a wide range of features and functions, making their work more efficient and productive.

Additionally, the system's versatility and customisation options make it an ideal choice for those looking for a flexible and adaptable operating system. **The R60 features Cube-a software**, which allows for a new horizontal view and integration with GNSS surveys. The operator can use background maps and exchange functions between the TS and remote controller (GNSS) with Bluetooth, without the need for cables.

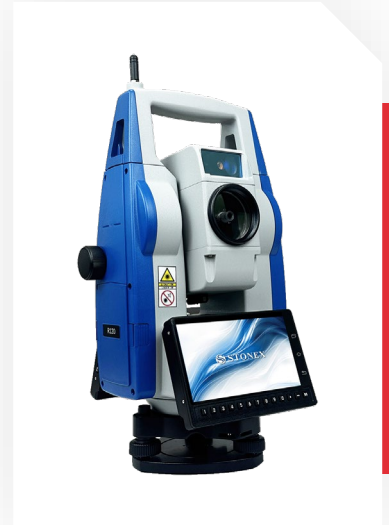


R120 Robotic Total Solution

Android Robotic Total Solution

R120 is a Robotic Android Total Station that provides exceptional precision with an angular accuracy of 1" (2" available) and an electronic distance measurement (EDM) accuracy of 1 mm + 1 ppm. It operates effectively up to 1000 m (800 m for 2" version) in reflectorless mode and features a rotation speed of 60° per second. This instrument combines the capabilities of a robotic station with excellent cost-effectiveness.

The R120 is designed with a 5.5-inch color touch screen and runs on the Android operating system, making it user-friendly and similar in interface to a smartphone, which enhances data exchange capabilities. The onboard Cube-a software allows operators to seamlessly integrate GNSS tasks with surveys performed using the total station. Communication and data transfer between the station and the controller are facilitated via a Bluetooth connection. Additionally, the R120 has an integrated modem, enabling the operator to connect to the internet and send and receive topographic data.



Cube.a

The R120 is equipped with the Android operating system and comes pre-installed with the powerful Cube-a program. This onboard software allows operators to easily integrate data from GNSS and surveys conducted with the total station. Communication and data exchange between the station and the controller (GNSS) is made simple with a Bluetooth connection. This means that with the total station, surveys carried out with GNSS, can be loaded through an external controller via Bluetooth. These surveys then can be completed within the total station. With Cube-a, users can navigate the program easily and efficiently, accessing all the classic functions of a total station while enjoying the added benefits of the Android operating system. This integration allows for seamless and streamlined workflows, saving time and effort while achieving the highest level of accuracy.



R180 Robotic Total Solution

Total solutions with android board

The R180 is a highly accurate and fast Android robotic station. It features a rotation speed of 180°/sec and an EDM accuracy of 1 mm + 1 ppm, with a range of up to 1000 m without a prism. The R180 is available in two versions, 0.5", 1" and 2" second. For all models, the quietness and smoothness in prism searches and rotations are among the most observed and appreciated features.

Equipped with the Android operating system, the R180 has Cube-a as onboard software. This enables users to navigate online and interact with the touch screen in an easy and familiar way.

The Cube-a onboard software includes all the classic functions of the program, as well as the integration of jobs done with GNSS and surveys done with the total station. This allows operators to achieve complex and professional work in a short time and with high accuracy. Additionally, the R180 has a camera and a light guide to further facilitate field work.

The R180 Robotic total station boasts a rotation speed of 180°/sec, making it one of the fastest in its product category. Not only is it speedy, but it is also impressively quiet, with noise levels among the lowest in its class



Engineered for Tough Conditions: Red Edge Braided Cables

At Red Edge, we specialise in braided cables designed to excel in the harshest environments. Built to withstand the rigorous demands of the mining, earthmoving, and technology industries, our cables are your ultimate solution for durability and reliability.

Why Choose Red Edge Braided Cables?

Our braided cables are engineered to endure



Continuous Abrasion

Resists wear and tear in rugged conditions.



Vibration

Maintains secure connections even in high-vibration environments.



UV Exposure

Offers superior resistance to sunlight and harsh weather.



Solvents & Chemicals

Stands up to exposure without degrading.



Sudden Movement

Ensures consistent performance under heavy strain.

Protect Your Investment

With Red Edge braided cables, you'll experience



Durable construction means fewer failures and repairs.

Reduced Downtime



Reliable connections keep operations running smoothly.

Enhanced Performance



Longevity and durability reduce replacement costs.

Cost Savings



Built for heavy Industries that Build the Future

Whether in mining sites, earthmoving operations, or cutting-edge technology applications, Red Edge braided cables deliver unmatched performance in the toughest condition



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1300 769 359



Red Edge Resources



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RED EDGE
RESOURCES



STONEX

MOBA
MOBILE AUTOMATION