

SCANBUDDY.COM
Phone +64 27 367 4916

2025 CATALOGUE



ScanBuddy®
GLOBAL NDT SCANNING PARTNER

Specialised Scanning Products

ScanBuddy® design and manufacture non-destructive testing (NDT) testing equipment and accessories used by the industry to evaluate the condition of structures or plant. Testing and monitoring is performed without causing damage to the original part.



SCANBUDDY.COM

Phone +64 27 367 4916

CONTENTS

LASER PROFILOMETRY

MANUAL SCANNERS

PORTABLE SCANNERS

PORTABLE DETECTORS

REBAR SCANNERS

CRACK DETECTION

COATING THICKNESS METERS



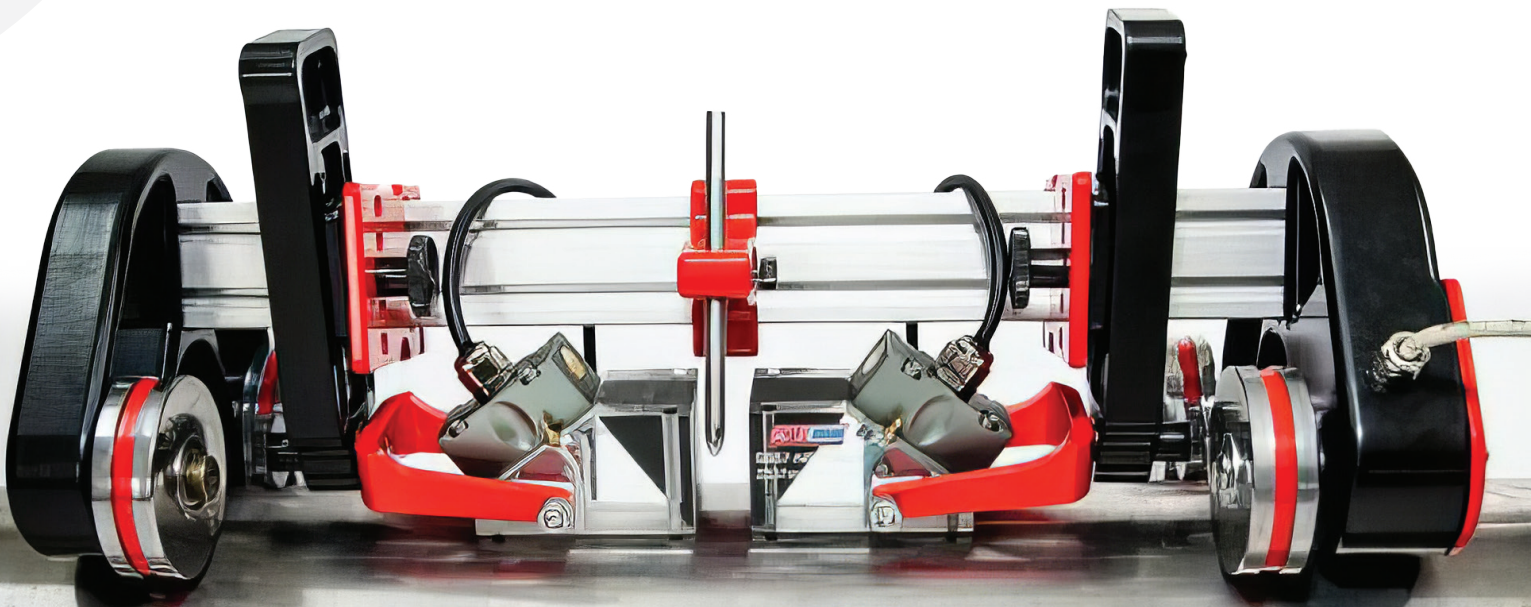
Call +64 27 367 4916



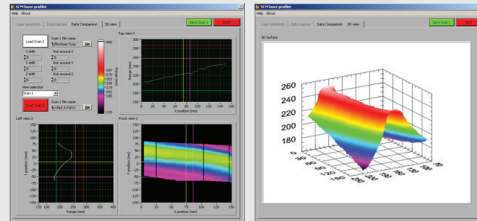
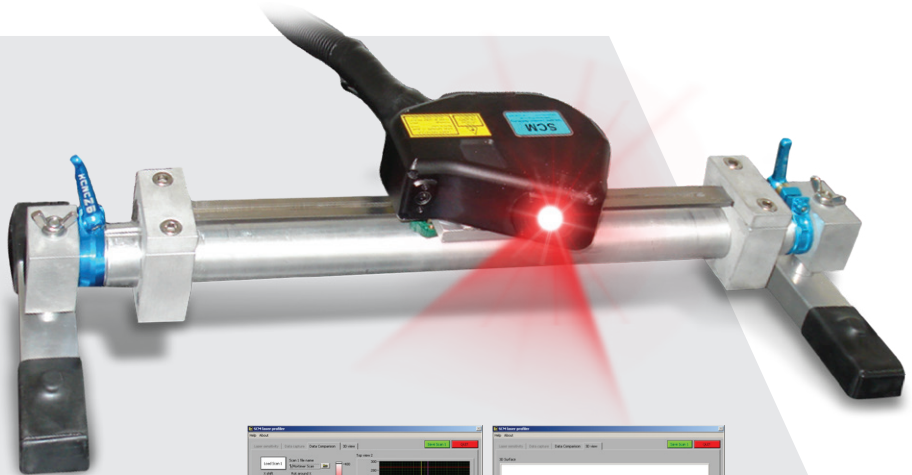
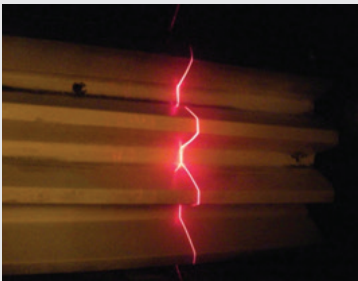
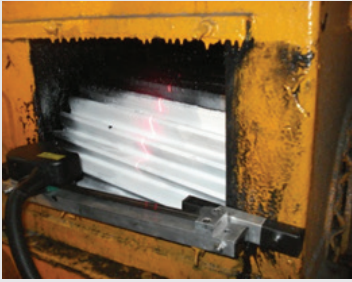
Email: info@scanbuddy.co.nz



www.scanbuddy.com



3D GEAR PROFILER SCANNER



The speed and ease of the Scanbuddy 3D Laser Scanner provides accurate non-contact measurements. A digital interface allows for easy scan comparison, trending of wear rates, and easily accessible data storage.

For all industrial systems that include heavy-duty gears as part of the process, the eventual wear of the gears is an inevitable outcome. Due to the high cost of purchasing and installing such gears, the life cycle of the gears must be factored into the operating cost of the machine.

If gear utilisation were to be optimised, the gear would need to be used for as long as it is safe to do so, and the replacement interval would need to be synchronised with the maintenance schedule of the entire machine to avoid unnecessary production losses.

It should be noted that the replacement intervals on different gears vary significantly (even on similar machines) due to various operating conditions (e.g., lubrication used, loading, alignment, and several other uncertain factors). Thus, the interval cannot be estimated solely based on the intended operation conditions. The approach to solving this problem relies on periodical inspection of the state of the gears.

Traditionally, the internal condition of a gear is inspected using non-destructive testing techniques (eddy current and magnetic particle inspection).

At the same time, the wear rates are estimated using one of two methods: The first involves tracing with complicated mechanical copying devices. The second method involves taking a plaster cast of a single tooth and comparing it visually with successive casts. This process is laborious at best and, due to its analogue nature, does not readily lend itself to quantification, let alone trending and prediction.

KEY BENEFITS

- The scanner offers a fast set-up with multiple mounting configurations provided for and uses rechargeable batteries with a total on-time of approx. 3 hours.
- Accuracy of up to 0.5mm depending on the speed of the scan.
- Analysis Mode for easy data capture on site while the data can be analysed at a later stage.
- 3D visualisation and 2D slice views.

Product might differ from images in this brochure.

DRUM PROFILER SCANNER

The ScanBuddy® Drum Profiler is targeted at Mining operations and inspection (NDT) companies that routinely inspect rope drums for the life extension of wire rope and drums.

EXISTING SYSTEMS

Previous solutions to inspecting wire rope drums make use of contact techniques. This includes the use of pantographs, mill gauges, and even the use of plaster casts. None of these methods allow the user to effectively quantify readings or easily record or transmit readings.

ACCURACY OF SCAN

The speed and accuracy of the Scanbuddy Drum profiler can be attributed to its non-contact method of measurement. Even a novice user can perform a scan within 2-minutes and achieve accuracies of better than 1mm.

SOFTWARE PACKAGE

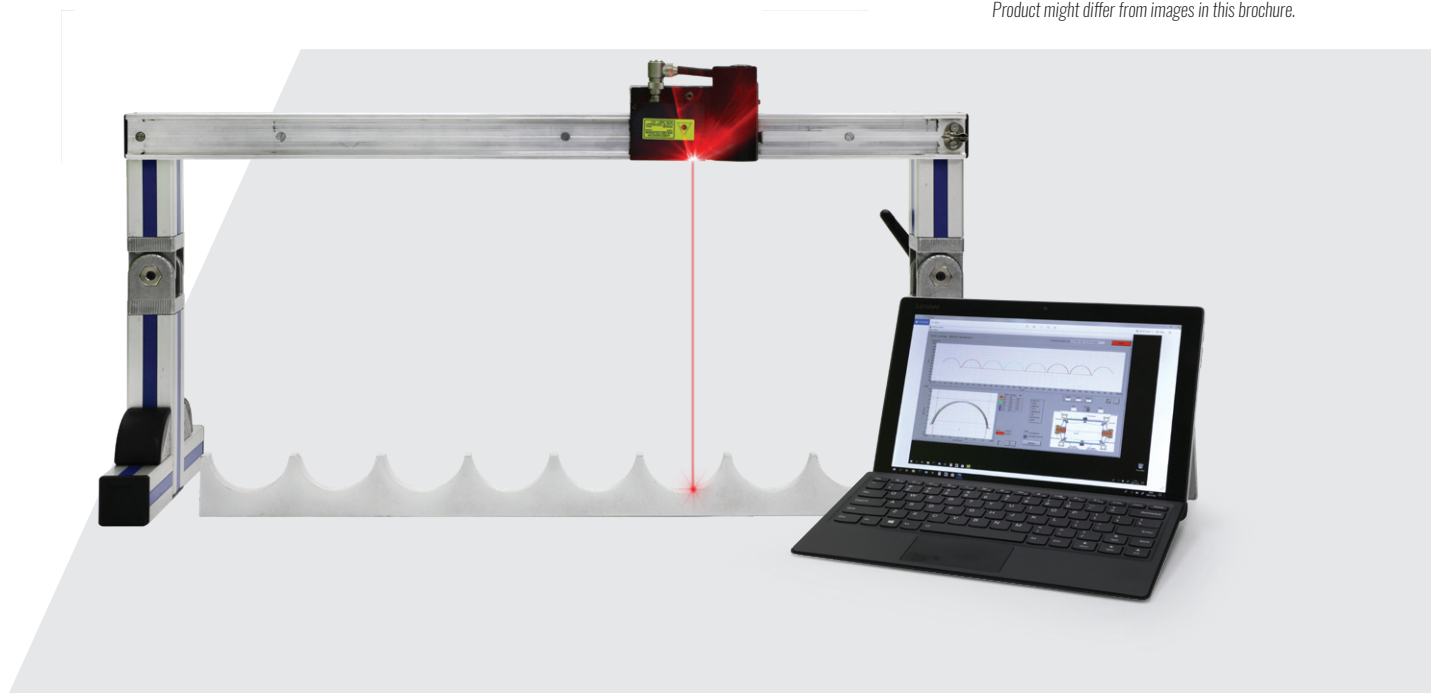
The software that is included in the purchase of the scanner allows the user to scan a drum with a single sweep of the laser. The software allows for easy comparison with previous scans and trending of profiles for determining wear rates. It also provides a set of measuring cursors and manufacturer's specifications for automated report writing.



KEY BENEFITS

- One-man operation.
- Quick Setup with magnetic feet.
- Available in user specified lengths.
- Long battery life for over 3 hours of scanning.
- Accuracy of better than 0.5mm, even at full range.
- Bluetooth, Wi-Fi or USB cable connection to acquisition tablet (usable next to mobile phone masts).
- Analysis software to compare each groove diameter and pitch.

Product might differ from images in this brochure.



MILL LINER PROFILER

The ScanBuddy® Mill Liner Profiler is targeted at mining operations that make use of mills and inspection (NDT) companies that routinely inspect mills for the life extension of mill liners.

EXISTING SYSTEMS

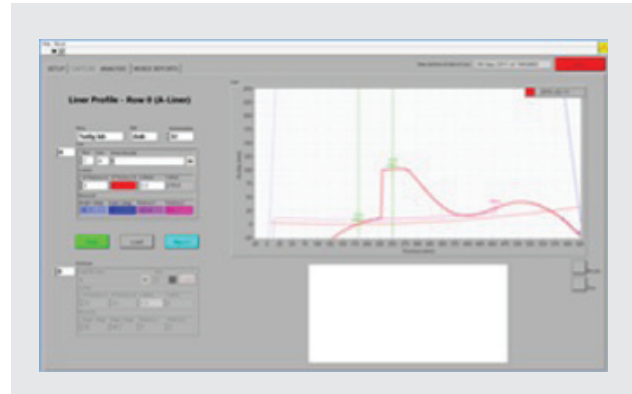
Previous solutions to inspecting mill liners make use of contact techniques. This includes the use of pantographs, mill gauges, and even the use of plaster casts. None of these methods allow the user to effectively quantify readings or easily record or transmit readings.

ACCURACY OF SCAN

The speed of use and accuracy of the SCM mill liner profiler can be attributed to its non-contact method of measurement. Even a novice user can perform a scan within 2-minutes and achieve accuracies of better than 1mm.

SOFTWARE PACKAGE

The software that is included in the purchase of the scanner allows the user to scan a mill liner with a single sweep of the laser. The software allows for easy comparison with previous scans and trending of profiles for determining wear rates. It also provides a set of measuring cursors and manufacturer's specifications for automated report writing.



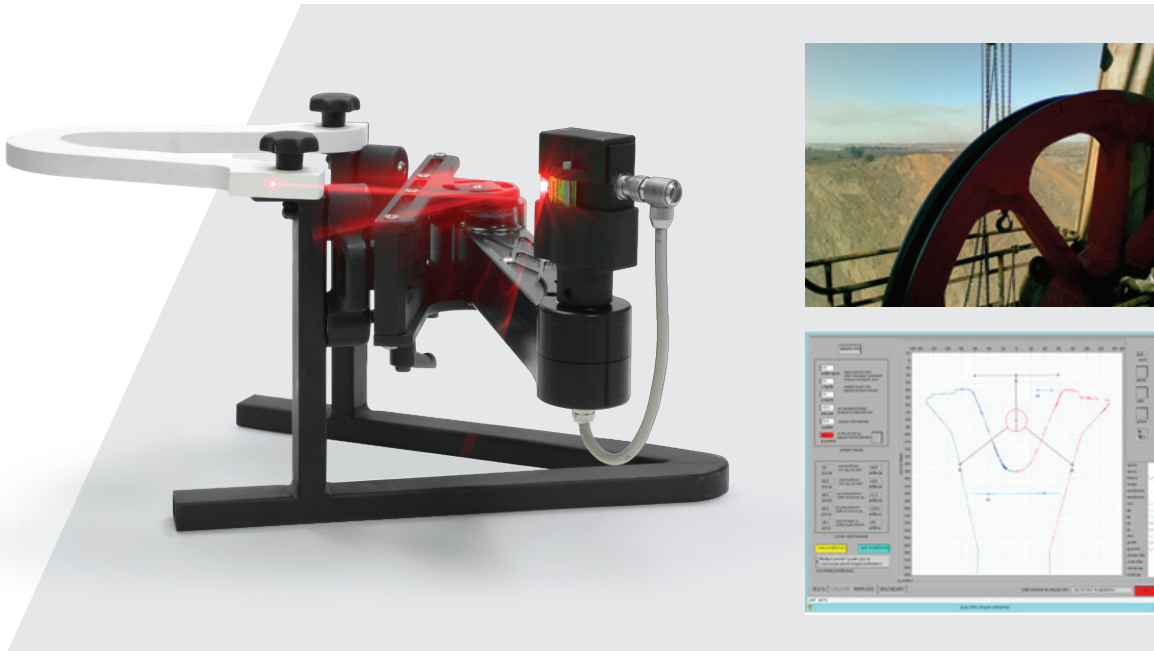
KEY BENEFITS

- One-man operation.
- Quick Setup with magnetic feet.
- Available in user specified lengths.
- Long battery life for over 3 hours of scanning.
- Accuracy of better than 0.5mm, even at full range.
- Bluetooth, Wi-Fi or USB cable connection to acquisition tablet (usable next to mobile phone masts).
- Analysis software to compare each groove diameter and pitch.

Product might differ from images in this brochure.



SHEAVE WHEEL PROFILER



Designed for mining operations that make use of sheave wheels such as for hoisting machinery or draglines. Inspection (NDT) companies that routinely inspect sheave wheels for the life extension of wire ropes and sheaves.

EXISTING SYSTEMS

Previous solutions to inspecting sheave wheels make use of contact techniques. This includes the use of pantographs, sheave gauges, and even the use of plaster casts. None of these methods allow the user to effectively quantify readings or easily record or transmit readings.

ACCURACY OF SCAN

The speed of use and accuracy of the sheave wheel profiler can be attributed to its non-contact method of measurement. Even a novice user can perform a scan within two minutes and achieve accuracies of better than 1mm.

SOFTWARE PACKAGE

The included software allows the user to scan a sheave wheel with a single sweep of the laser. The software allows for an easy comparison with previous scans and trending of profiles for determining wear rates. It also provides a set of measuring cursors and manufacturer's specifications for automated report writing.

KEY BENEFITS

- One-man operation.
- Quick Setup with magnetic feet.
- Can be used to scan nearly any size sheave wheel from 100mm to 450mm groove depth.
- Long battery life for over 3 hours of scanning.
- Accuracy of better than 1mm, even at full range.
- Bluetooth, Wi-Fi or USB cable connection to acquisition tablet (usable next to mobile phone masts).
- Analysis Mode for historic trending and sizing.
- Multiple cursors for sizing of numerous parameters.
- Acceptance Criteria functionality.
- Report writing facility.
- Charger, carry case included.

Product might differ from images in this brochure.

CORROSION BUDDY SCANNER

The ScanBuddy® Manual Corrosion Scanner is designed to alleviate the frustration of corrosion scanning. It is highly configurable to the customer's needs and can be adjusted to suit a multitude of probes.

Our scanner is made with the highest-quality components, CNC machined and assembled in-house. Nearly all spare components are kept in stock, allowing for very quick service and repair turnaround times.

Streamlined processes and productivity, combined with in-house manufacturing of most components, ensure that we can deliver a high-quality product at a very competitive price.

Our system is compatible with most ultrasonic and eddy-current machines. The only requirement is a dual encoder input. The scanner's encoder output has an HD 15-pin D-type connector and can be connected to most machines with an adaptor cable, which is available at an additional cost.

The scanner has a spring-loaded probe holder running on stainless steel linear bearings, which ensures smooth and accurate movement. The probe holders can be adjusted up and down and tilted to give the optimum perpendicular downforce to the probe. Adjustable probe width makes fitting

probes quick and easy. Probe holders can adjust to accept most standard ultrasonic and phased-array probes and wedges. Only basic tools are needed for any adjustments.

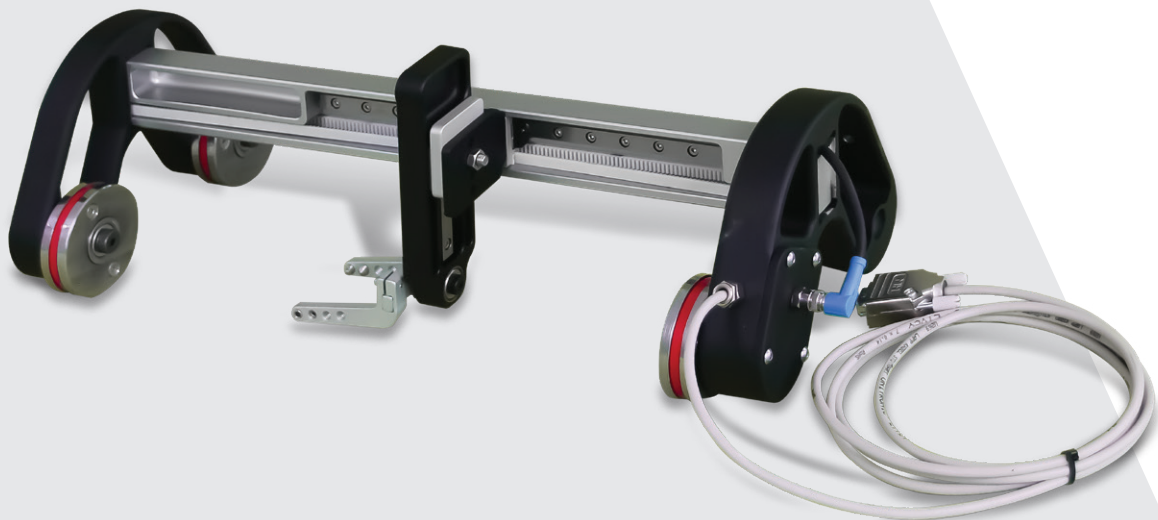
Powerful neodymium magnetic wheels ensure secure attachment to ferritic test surfaces. Two of the wheels are easily lockable.

The product comes with a 1-year limited warranty on manufacturing faults.

TECHNICAL SPECS

Maximum over all size:	450mmx185mmx135mm
Total scanner weight:	4.5Kg
Wheel size:	59mm diameter
Encoder type:	Magnetic Both Axis
Encoder pulses:	4096 ppr Both Axis
Probe vertical movement:	31mm
Probe setting up/down:	40mm
Min probe with:	21mm
Max probe with:	43mm
Max Axial scanning distance:	210/460mm
Min scanning diameter:	100mm
Max scanning diameter:	Flat surface

Product might differ from images in this brochure.



NOZZLE BUDDY SCANNER



The ScanBuddy® three-axis nozzle scanner is designed to remove the frustration from nozzle scanning. The scanner is highly capable and can be adjusted to suit a multitude of probes.

Our scanner is made with the highest-quality components, CNC machined and assembled in-house. Nearly all spare components are kept in stock, allowing for quick service and repair turnaround times.

Streamlined processes and productivity, combined with in-house manufacturing of most components, ensure that we can deliver a high-quality product at a very competitive price.

Our system is compatible with most ultrasonic and eddy-current machines. The only requirement is a 3-axis encoder input. The scanner's encoder output has an HD 15-pin D-type connector and can be connected to most machines with an adaptor cable, which is available at an additional cost.

The scanner has a spring-loaded probe holder with varying spring tension adjustment, running on a stainless steel linear bearing. This ensures smooth and accurate movement. The probe holder can be adjusted to suit the nozzle type. It can also tilt to give the optimum perpendicular downforce to the probe. Adjustable probe width makes fitting probes quick and easy.

Probe holders can adjust to accept most standard ultrasonic and phased-array probes and wedges. Only basic tools are needed for any adjustments. Three axis represent Circumferential Axis, Squint Axis and Probe Offset Axis.

Powerful neodymium magnetic wheels ensure secure attachment to ferritic test surfaces. Additionally, a belt attachment system can be used for non-ferritic nozzles, where the belt design allows complete revolutions without obstructions. It can be installed and used by a single operator.

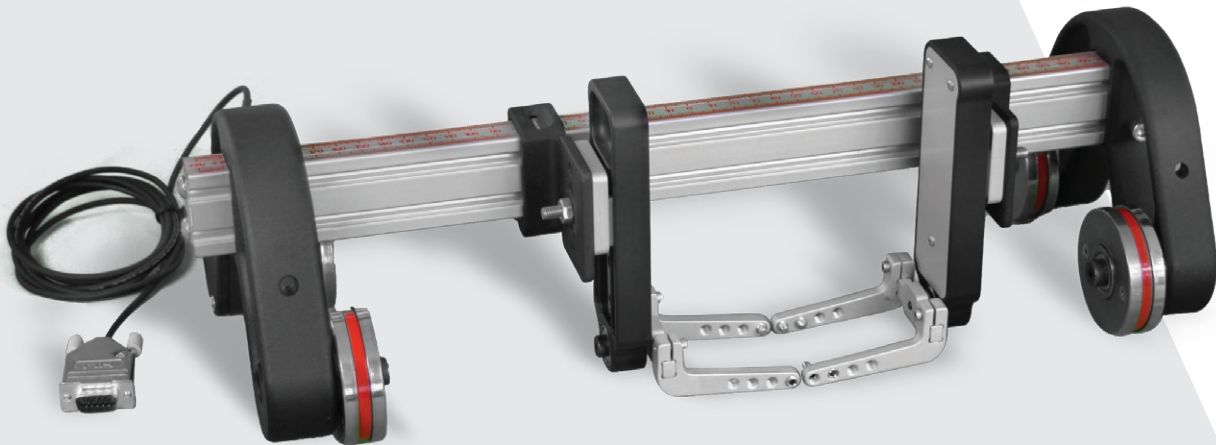
The product comes with a 1-year limited warranty on manufacturing faults.

TECHNICAL SPECS

Maximum over all size:	400mmx160mmx250mm
Total scanner weight:	2.8Kg
Wheel size:	59mm diameter
Encoder type:	Magnetic All Axis
Encoder pulses:	4096 ppr All Axis
Probe vertical movement:	80mm
Min probe with:	21mm
Max probe with:	43mm
Min scanning diameter:	50mm
Max scanning diameter:	Flat surface

Product might differ from images in this brochure.

WELDBUDDY WELD SCANNER



The ScanBuddy® Weld Scanner is designed to alleviate the frustration of weld scanning. It is highly configurable and can be adjusted to suit a multitude of inspection needs.

Our scanner is made with the highest-quality components, CNC machined and assembled in-house. Nearly all spare components are kept in stock, giving service and repair very quick turnaround times. Streamlined processes and productivity and in-house manufacturing of most components ensure that we can deliver a high-quality product at a very competitive price.

Most ultrasonic and eddy-current machines are compatible with our system. The only requirement is a single encoder input. The scanner has a HD15 pin D-type connector for its encoder output and can be connected to most machines with an adapter cable. Adapter cables available at an additional cost.

The scanner is equipped with two spring-loaded probe holders running on stainless steel linear bearings, which ensure smooth and accurate movement. The probe holders can be adjusted up and down and tilted to give the optimum perpendicular downforce to the probe. Adjustable probe width makes fitting probes quick and easy. Probe holders can be adjusted to accept most standard ultrasonic and phased-array probes and wedges.

Only basic tools are needed for any adjustments. At least eight different probe configurations are possible.

Probe setup is made easy with an engraved, easy-to-read ruler on the slide, going from zero in the center to 220mm on each side. The weld pointer is adjustable and helps to follow the weld accurately. Powerful neodymium magnetic wheels ensure secure adhesion to the test surface. Two of the wheels are easily lockable.

Product comes with a 1-Year Limited Warranty on manufacturing faults.

TECHNICAL SPECS

Maximum over all size:	450mmx185mmx135mm
Total scanner weight:	3.4Kg
Wheel size:	59mm diameter.
Encoder type:	Magnetic.
Encoder pulses:	4096 pulses per rev.
Probe vertical movement:	31mm
Probe setting up/down:	40mm
Min probe with:	21mm
Max probe with:	43mm
Max scanning PCS:	535mm(probe dependable)
Min scanning diameter:	100mm
Max scanning diameter:	Flat surface

Product might differ from images in this brochure.

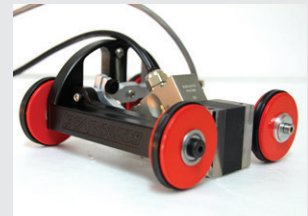
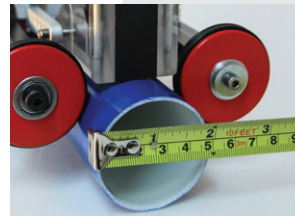
SINGLE WELDBUDDY SCANNER

The ScanBuddy® Single WeldBuddy is a low-cost, lightweight, easy-to-use scanner.

Most ultrasonic and eddy-current machines are compatible with our system. The only requirement is a single encoder input. The scanner comes fitted with an encoder output on a 1.5m lead, with a HD 15 pin D-type connector and can fit most machines with an adaptor cable.

The scanner is made with an aluminium chassis, anodised and gun coated for extra durability. The probe holder's width can be adjusted to accept most standard ultrasonic probes and wedges.

The encoder is built into the scanner's body and driven by one of the wheels, which also protects it from everyday wear and tear. Magnetic wheels and rubber tyres maintain contact with the scanning surface, allowing ease of use on ferritic and non-ferritic surfaces. All wheels run on stainless-steel bearings and, with little maintenance, should last a lifetime.



WHEELBUDDY SCANNER

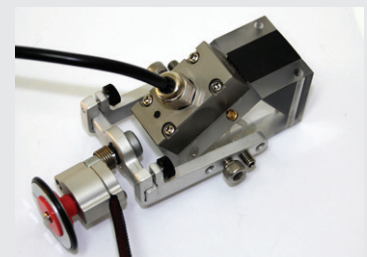
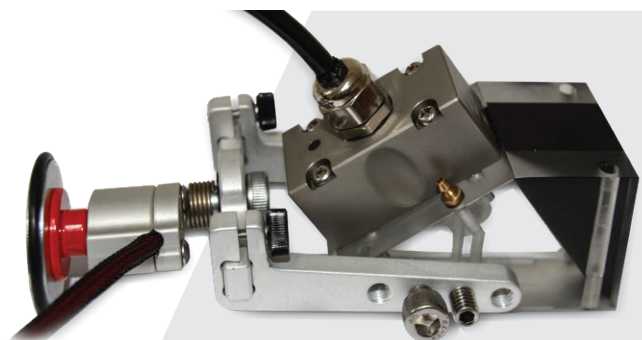
The ScanBuddy® WheelBuddy brings easy, accurate scanning from a small, lightweight encoder feedback scanning system.

The WheelBuddy consists of an encoder, a spring-loaded magnetic wheel, and an adjustable probe holder. The magnetic wheel is covered with a rubber tire. The encoder body and probe holder is made from anodised aluminium.

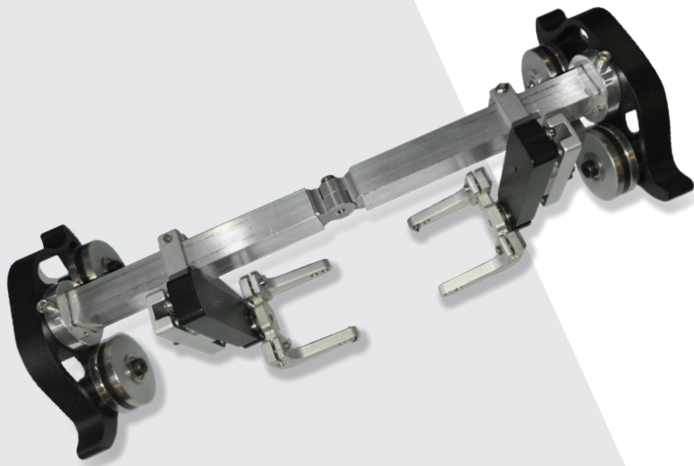
Our scanner is made with the highest-quality components, CNC machined and assembled in-house. Nearly all spare components are kept in stock giving service and repair very quick turnaround times.

Most ultrasonic and eddy-current machines are compatible with our system. The only requirement is a single encoder input. The scanner comes fitted with an encoder output on a 1.5m lead, with a HD 15 pin D-type connector and can fit most machines with an adaptor cable. Adaptor cables available at an additional cost.

Product comes with a 1 year limited warranty on manufacturing faults.



TOFD BUDDY SCANNER



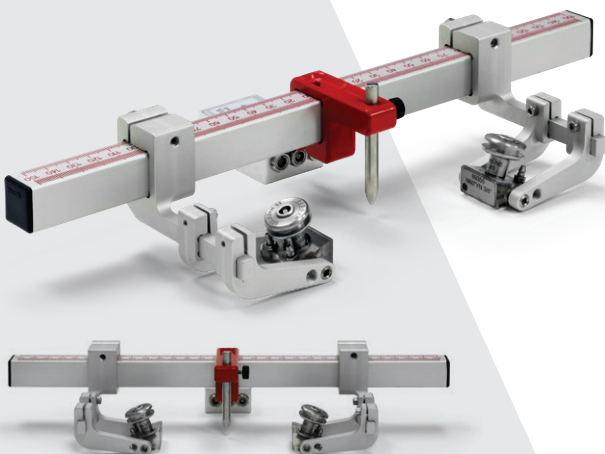
Our TOFD Buddy is a compact, lightweight, user-friendly single scanner, the perfect tool to provide a quick and simple TOFD inspection. It is very easy to set up the probe separation.

The TOFD Buddy operates in any orientation on surfaces from 3" pipe up to flat plate and is suitable for inspecting welds on pipework, pressure vessels, storage tanks and structural components.

Compatible with most suppliers of TOFD transducers and wedges, the TOFD Buddy frame allows the wedges to be easily fitted into the arms so that interchanging a wedge is quick and easy. TOFD Wedges of any material and any angle can be used thanks to our adjustable width probe forks.

Often used as the ideal training tool, the TOFD Buddy is suitable for use by inspectors of any level due to its simplicity, reliability, and quick wedge interchange. TOFD Buddy has an internal encoder for encoded feedback to the attached TOFD Equipment.

TOFD BUDDY LITE SCANNER



Our TOFD Buddy Lite is the perfect tool for quick and straightforward, time-based TOFD inspections. It is extremely easy to set up, and an engraved ruler adjusts the probe separation.

The TOFD Buddy Lite operates in any orientation on surfaces from 4" pipe up to a flat plate and is suitable for inspecting welds on pipework, pressure vessels, storage tanks and structural components.

Compatible with most suppliers of TOFD transducers and wedges, the frame allows the wedges to be easily fitted into the arms so that interchanging a wedge is quick and easy. TOFD Wedges of any material and any angle can be used thanks to our adjustable width probe forks.

Often used as the ideal training tool, the TOFD Buddy Lite is suitable for inspectors of any level due to its simplicity, reliability, and quick wedge interchange. TOFD Buddy lite can be effortlessly paired with our Wheel Buddy for encoded feedback.

TOFD scanning down the weld can give highly accurate depth measurement, generally speaking a parallel scan will give more accurate depth information.

STRINGBUDDY SCANNER



As materials, equipment, and structures are being optimised for ever-smaller safety factors and require ever-longer life, NDT capabilities need to find ever-smaller defects.

Smaller defects need better inspection techniques and better representation of the captured data. Instead of statistical measurements, a complete scan of the component under inspection is required. This usually requires data to be captured at all positions, ensuring a 100% inspection.

Inspections requiring such coverage usually use expensive robots, crawlers, or manipulators. In the case of site work or rope access work, such large equipment is costly, impractical, and time-consuming to set up.

Instead of using mechanised systems, ScanBuddy now offers the StringBuddy.

This encoder is very portable, consisting of a two-meter wire encoder. Therefore, the system can be easily transported by hand luggage and maneuvered during inspections.

The StringBuddy is connected to your existing NDT equipment, such as a phased array set, UT set, eddy current set or any equipment that can be used with encoders.

The encoders are then simply clamped onto the component under inspection using magnetic feet or suction cups (optional).

The probe used for the inspection is then calibrated and connected to the end of the wire encoders.

The NDT equipment then receives the position feedback as if it were connected to the encoders, thus simulating a robot, manipulator, or crawler. Data is captured in one-line scans.

The product comes with a 1-year limited warranty on manufacturing faults.

KEY BENEFITS

- One-Man operation.
- Quick setup with magnetic feet.
- 2m Wire length.
- Can be used to scan surfaces of up to 1m² at a time.
- Resolution down to 0.1mm.
- Encoder connection via HD 15 D-Type connector with adapter cable to most equipment. Adapter cable at an additional cost.

Product might differ from images in this brochure.

OMICRON PSI-64

6-INCH, HAND-HELD PHASED
ARRAY FLAW DETECTOR WITH TFM+



Our PSI Range of Phased Array/TFM Flaw Detectors offers the user unprecedented speed and performance in a small, lightweight package for your convenience.

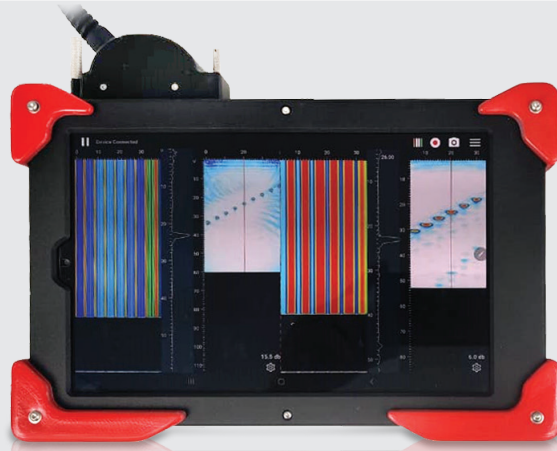
UT HARDWARE

Laws	<ul style="list-style-type: none"> • Fast multiplexing of 512 focal laws.
Digitiser	<ul style="list-style-type: none"> • Max. sampling frequency 100MHz, adjustable. • Digitising range: 10 bits. • Global delay: 0-1.6ms, step of 10ns. • Digitising depth: up to 8,000 samples.
Pulser	<ul style="list-style-type: none"> • Adjustable voltage: 100V. • Negative rectangular pulse, adjustable width: 30ns-0.5us. • Max. PRF 8 KHz, with change of focal laws.
Receiver	<ul style="list-style-type: none"> • Bandwidth: 0.8 - 20MHz. • Adjustable gain on each channel from 0-80 dB. • Cross-talk between two channels: > 50. • Max. input signal amplitude: 1 Vpp.
I/O	<ul style="list-style-type: none"> • 1 Phased array: IPEX. • 3 Encoders input: HD15. • External power supply input: USB C.

TECHNICAL SPECS

Display	<ul style="list-style-type: none"> • IPS LCD touchscreen, 16M colors. • Size: 5.99 inches, 1080 x 2160 pixels. • Corning Gorilla Glass 4.
Platform	<ul style="list-style-type: none"> • OS : Android 10.
Comms	<ul style="list-style-type: none"> • WLAN : Wi-Fi 802.11 a/b/g/n/ac, dual-band. • Bluetooth : 5.0, A2DP, LE. • GPS: with dual-band A-GPS.
Camera	<ul style="list-style-type: none"> • Photo: 5 MP, f/2.0. • Video: 1080p@30fps.
Dimensions	<ul style="list-style-type: none"> • 90 x 197 x 47mm. • Weight: 1.2kg.
Build:	<ul style="list-style-type: none"> • Aluminum chassis, with strap.
Battery	<ul style="list-style-type: none"> • 15,000mAh. • 5 hours without external battery pack.

OMICRON PSI-64



10-INCH, HAND-HELD PHASED
ARRAY FLAW DETECTOR WITH TFM+



PSI PSI MULTI UT RANGE

Our PSI multi-range offers users a very small USB flaw detector with 8,16 or 32 channels with customisable windows software to suit your every need.



PSI 1UT

Our PSI 1 offers users a very small USB flaw detector with customisable windows software to suit your every need.



DANATRONICS ECHO PRO



Danatronics™ ECHO PRO is our latest portable ultrasonic flaw detector. Designed with more than 70 years of digital ultrasonic flaw detection experience and always with our users in mind; you will be amazed at the speed and ease of use of its operations.

The ECHO PRO comes standard with many common software features such as a powerful datalogger with export of thickness readings to Excel, 2 gates, AWS, API 5UE, DAC, single hand and touch screen operation along with a powerful 600 Volt pulser and continuous 8-10 hour battery operation. Advanced features include damping, digital filters, analog and alarm outputs, wifi and Bluetooth. Optional Features include interface gate, floating and tracking gates, extended range, and back echo attenuator.

ECHO PRO can handle your most challenging ultrasonic inspections while being very simple to operate.

Advantages of the ECHO PRO include:

- Bright, sunlight readable 7" Wide VGA touch-screen display.
- More than 8 hours battery life.
- Standard features include datalogging, two gages, DAC, AWS, B-scan, Wi-Fi, Bluetooth, API-5Ue.
- Advanced features include extended range, TVG, Back ECHO Attenuation, Interface Gate, Damping and Energy.
- Intuitive user interface combining touchscreen or keypad.
- Custom packaging with rubber bumpers, hand strap, neck harness, variable angle hinge/stand and magnetic pipe stand.
- Change colour and vibrate on alarm.
- Adjust gain, gates, delay and range from touchscreen.

TYPICAL APPLICATIONS

Weld Inspection	Power Generation
Delaminations	Oil and Gas
Porosity	Pipeline Inspection
Disbonds	Tank Inspectio
Forgings	Thickness Surveys
Castings	Inspection companies
Refining	

Product might differ from images in this brochure.

DANATRONICS ECHO SERIES

The ECHO Series can quickly and easily switch from corrosion or precision thickness gauging, to flaw detector all offered in a rugged, custom package. The perfect size of fit and function!

The new ECHO series comes in several configurations. ECHO 9 is our corrosion gage using dual transducers, ECHO 7 is our precision thickness gauge with 1 micron resolution. ECHO 8 is the ultimate unit combining corrosion and precision thickness gauge utilising both dual and single element transducers. ECHO FD is our flaw detector.

ECHO series was designed to allow the instrument total flexibility. What this means is you are never stuck with just a basic model, but rather, an instrument that can expand as your business and applications expand.

The ECHO series has a remarkable sunlight readable 3.5" color display, up to 32 GB of micro SD memory, built-in rechargeable high capacity Li Ion battery all packaged in a custom case designed for IP67 rating.



DANATRONICS

DANATRONICS MTG-99

The MTG-99 is a portable, battery operated instrument and can change colour or vibrate on alarm.

There is also an internal data-logger which can interface with Microsoft Excel, making data capture easier and enable straightforward reporting. Typical applications include plastic bottles, containers, tubing, Titanium, Aluminium and Copper tubes and pipes as well as composite structures.

Advantages of the MTG-99 include

- High resolution increasing POD.
- Lightweight, 32kg (inc. battery).
- Easy to transport, total shipping weight under 60kg (not including laptop).
- USB connectivity means the Truflux effectively works as a simple "plug and play" unit.
- Off-the-shelf battery technology.



DANATRONICS

LR-G150 REBAR SCANNER

The LR-G150 Concrete Rebar scanner is a portable intelligent NDT instrument mainly used in the structural inspection of reinforced concrete.

The LR-G150 rebar scanner is a portable intelligent non-destructive testing device, primarily used for structural inspection of reinforced concrete. It accurately detects rebar cover thickness and rebar diameter and analyses rebar distribution on the surface of reinforced concrete. It can also detect the orientation and distribution of ferromagnetic materials and conductors in non-ferromagnetic media.

The upgraded rebar correction function supports the simultaneous correction of rebar spacing and diameter, improving the accuracy of measured protective layer thickness.

User friendly design:

- The host has a stylish appearance and is ergonomically designed for prolonged use.
- With dual function and two operating modes, the probe can be used alone or in combination with the trolley.
- The host is configured with full-color touchable LCD screen and clear UI for easy interactions.
- It is configured with super large capacity Li-on rechargeable battery, and the battery compartment is pluggable, maintaining longer service life.
- The design of the probe is compact and flexible, suitable for the limit detection position.



LR-G200 INTEGRATED SCANNER

Langry LR-G200 integrated rebar scanner it is mainly used to detect the position, distribution and direction of rebar, Thickness of concrete cover and estimation diameter of rebar in reinforced concrete structures.

It can accurately detect the concrete cover depth and estimate diameter of the rebar on the surface of the reinforced concrete, and precisely analyze the distribution of rebars. It can also detect the direction and distribution of ferromagnetic and conductive bodies in non-ferromagnetic media.

More accurate measurement:

- Carry out testing with combination of high-power transmitting coil and multiple small coil to ensure higher accuracy and resolution.
- Perform displacement scanning and rebar distance measurement at a higher accuracy level with use of high-accuracy grating sensor.
- Permit correction of multiple stirrup so as to obtain more accurate testing results.



LR-G300 REBAR SCANNER

Langry LR-G300 integrated rebar scanner it is mainly used to detect the position, distribution and direction of rebar, Thickness of concrete cover and estimation diameter of rebar in reinforced concrete structures.

Ease of use:

- Equipped with a new high-precision sensor, the thickness of the protective layer can be accurate to 0.1mm, supporting multi-stop stirrup and main reinforcement correction, and more accurate detection results.
- Support a variety of detection modes under complex working conditions: including stirrup avoidance detection, concave detection and convex detection.



LR-FK202 CRACK DETECTOR

The LR-FK202 Crack Width Detector adopts the wireless connection method, which is widely used in the quantitative detection of crack width in bridges, tunnels, main buildings, concrete pavements, metal surfaces, etc.

The Crack Width Detector LR-FK202 is essential for maintenance, quality control, and structural integrity evaluations in construction and civil engineering projects.

- High-resolution camera for precise crack detection.
- Portable and lightweight design for easy maneuverability.
- User-friendly interface for quick and efficient operation.

Its user-friendly software simplifies data management for engineering testing personnel. You can effortlessly manage object information and crack width data, combining multiple files and generating comprehensive test reports automatically. You can also import data from tablets for further analysis, ensuring efficient streamlined reporting processes.



MAIN FEATURES

- Wireless connection for convenient and flexible operation.
- Automatically captures both vertical and inclined cracks, displaying real-time crack width.
- Allows seamless switching between multiple cracks.
- Professional data analysis software enables seamless data transmission and analysis between the instrument and computer.

Product might differ from images in this brochure.



LR-FS500 CRACK DETECTOR



The Crack Depth Detector LR-FS500 ensures reliable evaluation of crack severity in various materials and structures. It is ideal for civil engineering, infrastructure maintenance, and non-destructive testing.

The LR-FS500 is an advanced ultrasonic device designed to accurately estimate crack depth in concrete. It swiftly detects cracks on both concrete and non-metal surfaces by emitting ultrasonic waves and analysing their propagation time. Furthermore, it ensures precise pinpointing of detection points during operation featuring a detection area seal.

With automated first-wave search and magnification adjustment, it offers seamless functionality. It's a dependable tool for comprehensive crack depth assessment, facilitating efficient and reliable inspection processes. Hence, this tool can be widely utilised in various industries.

- High-precision crack depth measurement
- Portable and user-friendly design
- Wide range of applications in structural assessment

MAIN FEATURES

- The instrument adopts wireless connection for convenient use and flexible High magnification acquisition, precise waveform response.
- Automatic search for the first wave, automatically adjust magnification.
- The instrument is designed for the depth of concrete cracks, making it more professional.
- Touch screen, button dual operation mode.
- Equipped with online system software, the detection results are clear at a glance.
- Equipped with a detection area seal, quickly locate the location of the detection points on the operation site.

Product might differ from images in this brochure.

BB30 COATING THICKNESS METER



Dual sensor for measuring the thickness of non-magnetic coatings on all magnetic and non-magnetic metals.

Quickly and accurately determine the strength of non-magnetic layers, such as paints, varnishes, plastic coatings, galvanising, enameling, or chrome plating on ferromagnetic and non-ferromagnetic metallic substrates. The sensitive dual sensor is just as accurate on iron and steel as it is on non-ferrous metals such as aluminum, magnesium or titanium.

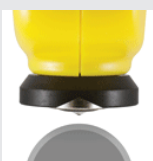
Whether you're using the device comfortably with just one hand or for use in hard-to-reach measuring points, in conjunction with the included flexible probe extension – the BB30 always provides you with precise measurement results in a measuring range between 0 and 2,000 µm.

Whether in the automotive sector, for the coating thickness measurement of ship or railing paints or the verification of enamels – the BB30 is the ideal handheld measuring instrument for professionals in these and other areas.

BB20 PAINT THICKNESS METER



The measuring head is spring-mounted and has a practical V-groove.



Dual sensor for measuring the thickness of non-magnetic coatings on all magnetic and non-magnetic metals.

The BB20 has an innovative dual sensor which enables you to measure the thickness of non-magnetic coatings like paint and varnishes, synthetic coatings, zinc coatings, enamel or chrome as well as steel or iron and non-iron metals like aluminum, magnesium, titanium etc.

Ideal for use in the automotive sector where it can be used to inspect the bodywork of cars and check whether a car has been involved in an accident or a new coat of paint has been applied. It can also be used to check just about everything ranging from paint thickness on railings to the coats of paint on a boat or ship as well as other protective coatings.

The measuring device is extremely compact and can be used with one hand only. It has an impressive measuring range from 0 to 1250 µm and guarantees precise measuring results.



SCANBUDDY.COM

Phone +64 27 367 4916

ScanBuddy was born from our time spent in the field using the existing non-destructive testing (NDT) equipment available at the time and finding products difficult to use in real-world situations. We decided to manufacture our own solutions to multiple problems in NDT, condition monitoring, and Profilometry.

We believe that if the equipment is easy to use and simple to set up, making the job easy to do, the technician will generate better quality results.

ScanBuddy designs manufactures, and commissions Non-destructive testing (NDT) equipment and accessories used by the industry to evaluate the condition of structures or plants. This is all done without damaging the original part. All scanners and equipment are manufactured in New Zealand to the highest quality achievable.

If wear or damage is identified in time, components can be replaced in a timely fashion. By performing regular inspections, users can identify wear rates and, therefore plan for refurbishment or maintenance, thus avoiding unnecessary losses in production.

Our team at Scanbuddy brings a combined total of 50+ years in the Non-destructive testing (NDT) industry. We offer client product support, product training, and support. We also offer to consult on problematic issues clients may have, including third-party verification on client sites.

INDUSTRY PARTNERS



The American Society for Nondestructive Testing



ScanBuddy®

GLOBAL NDT SCANNING PARTNER



Call +64 27 367 4916



Email: info@scanbuddy.co.nz



www.scanbuddy.com

