

Cover Meters

Rebar scanning, cover checks & diameter estimation

Profometer PM8000



The cover
meter for the
digital age



Portfolio

Since the early 1970s, Screening Eagle's Proceq has been empowering professionals with Profometer rebar locators and concrete cover meters, offering versatile features for all applications.

PM8000 Lite

The easy cover meter



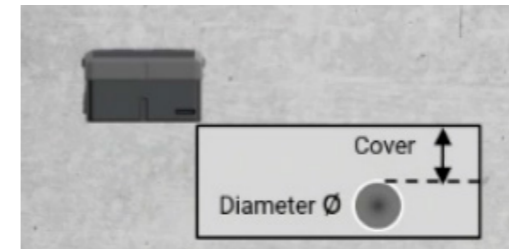
PM8000

The advanced cover meter



PM8000 Pro

The expert cover meter



SWISS  MADE

SPOT

SPOT

Check the cover and estimate rebar diameter

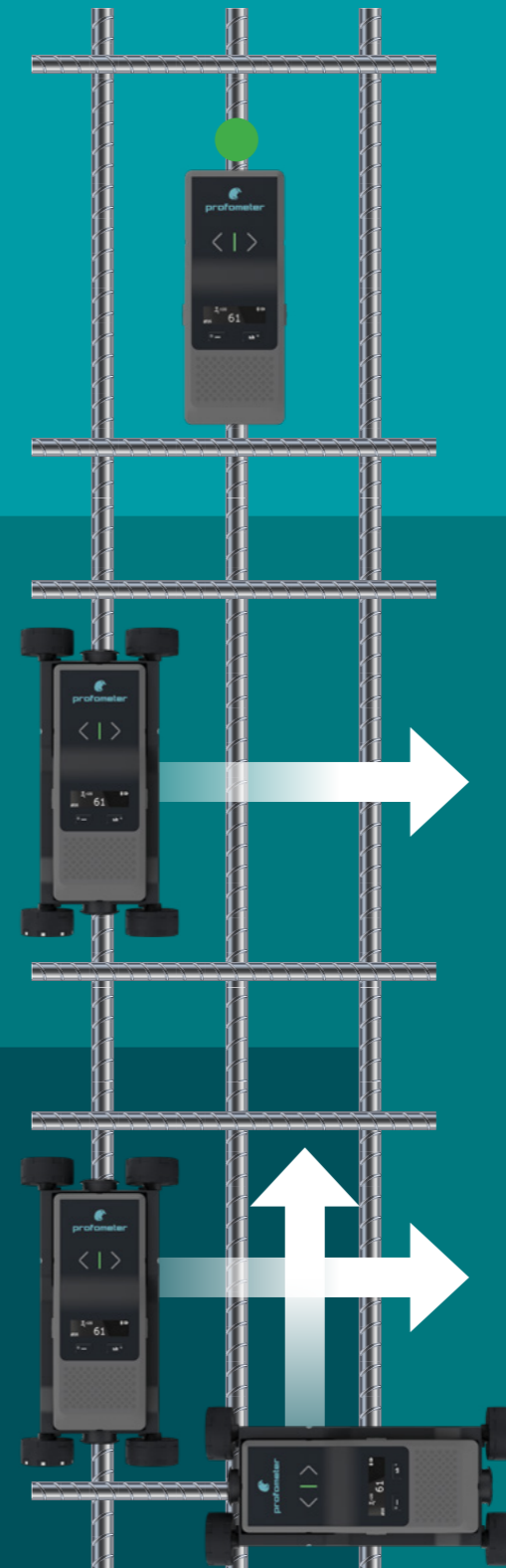
LINE
SCAN

SCAN

Mapping concrete cover, rebar spacing & diameter values

Advanced statistics and heat maps

AREA
SCAN





Profometer PM8000 Lite

Fast rebar detection and concrete cover checks

The easy cover meter



Precise

Designed and produced in Switzerland for highest quality and performance for professional rebar detection.



Ergonomic

Make life in the field easier with a compact, ultra-lightweight rebar scanner for use in rough environments.



Efficient

At the touch of a button, you can find rebars and safe spots to drill, determine cover values and estimate rebar diameter.



PM8000 Lite Overview

Intuitive navigation menu with
access to all essential settings

Sharp and clear display of
detection data, cover, diameter
values, and signal strength

OLED screen offering vivid
clarity in any light, from bright
sun to darkness



Optical indication of rebar location

Ultra-lightweight &
ergonomically designed to fit
comfortably in one hand



HW Specs



PM8000 Lite

300 g /
0.7 lb



190 x 75 x 45 mm
7.5 x 3.0 x 1.8 in

PM8000 Lite HW specs

Technology

Eddy-current

Cover Measuring Depth

Up to 185 mm / 7.3 in

Cover Measuring Accuracy

+/- 1 mm / 0.04 in to 4 mm / 0.16 in depending on depth

Rebar Diameter Measuring Depth

up to 63 mm / 2.5 in

Rebar Diameter Measuring Accuracy

+/- rebar size

Display

High-contrast OLED screen

Dimensions

190 x 75 x 45 mm / 7.5 x 3.0 x 1.8 in

Weight

300 g / 0.7 lb

Battery

2 x AA (NiMH) rechargeable or non rechargeable
Removable
Flight-safe
8 hours autonomy
USB-C power bank (not included)

Accessories

39000270 Profometer test block

Upgrades

39221216 Upgrade from Profometer PM8000 Lite to Profometer PM8000



SW Specs

PM8000 Lite App

Measurement Modes

Spot data import

Review Modes

Statistics

Display settings

Concrete cover threshold slider with colour palette

On-site annotations

Photos
Geolocation
Voice notes

Reporting

Workspace integration
Share via URL
Automatic Logbook
Raw data export
Instant report generation

Export formats

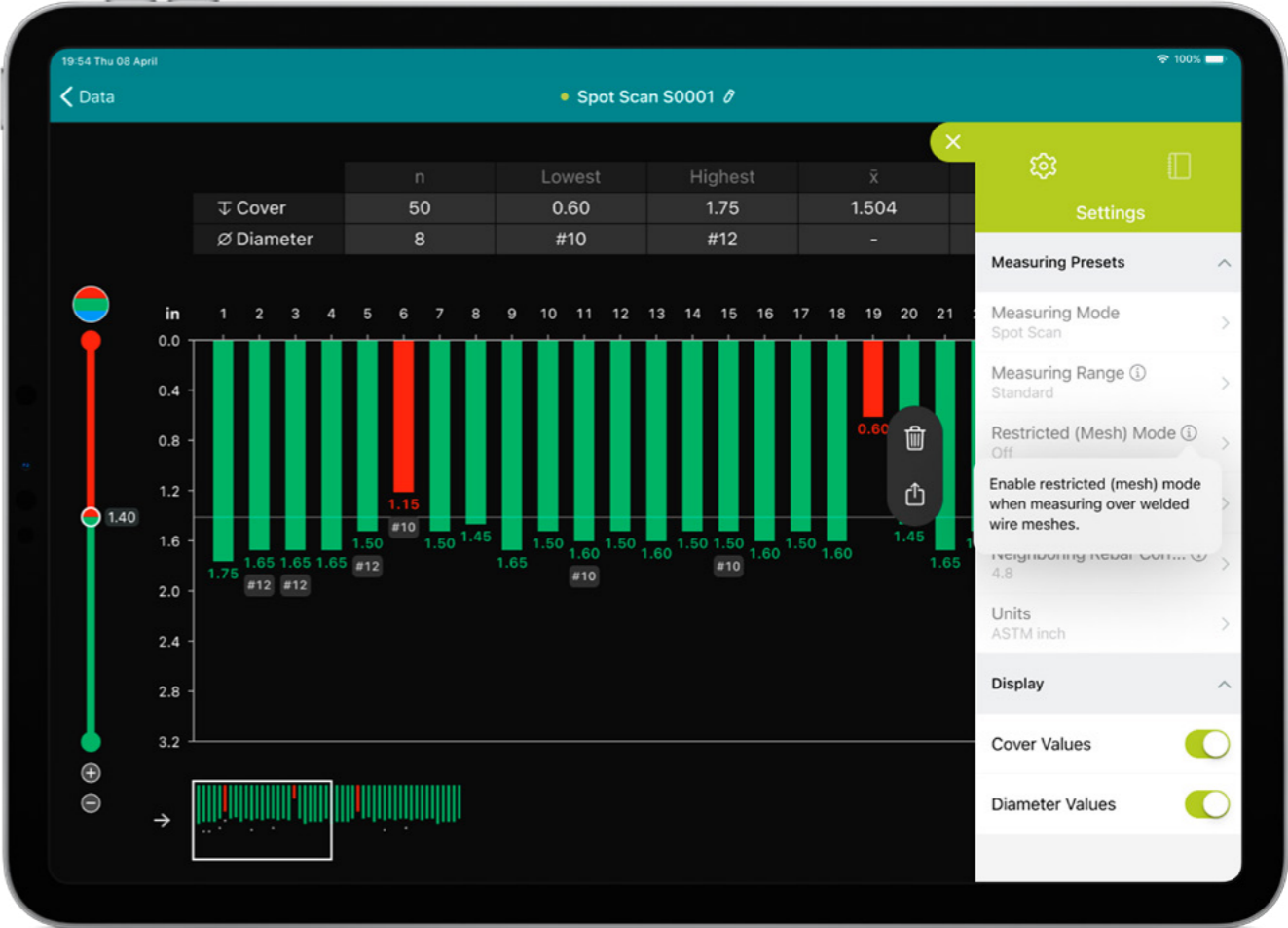
JPG (Screenshot)
PNG
CSV
HTML

Display Unit Specs**:

Latest Apple® iPad recommended (iPad with iOS 13.0 and higher)
Screen size: From 7.9" to 12.9"
Resolution: Up to 2732-by-2048
Memory: Up to 2TB
Weight: Down to 301 g / 10.6 oz
Camera: Up to 12MP Wide and 10MP Ultra Wide
Optional: USB-C, 5G, Face ID

Display Unit Sensors**:

LiDAR Scanner (optional)
Three-axis gyro
Accelerometer
Ambient light sensor
Barometer
Built-in GPS/GNSS



** Depending on iPad model iPad is a trademark of Apple Inc.; iOS is a registered trademark of Cisco in the US and is used by Apple under license.



PM8000

Versatile rebar scanning with live insights

The advanced cover meter



User-friendly

Simple one-handed operation with intuitive software for easy and effective measurements.



Flexible

Scan with or without the wheeled cart for maximum flexibility when scanning round columns and beams.



Productive

Have instant availability of your data in the field, with immediate data synchronization and collaboration.





PM8000

Overview

Ultra-compact design for effortless scanning of vertical, horizontal, and curved surfaces

Removable wheels for versatile scanning, whether spot or line

Rugged and durable design built to withstand tough site conditions

Wirelessly controlled by the iPad for efficient workflow





HW Specs



PM8000

690 g /
1.5 lb
(with cart)



250 x 130 x 45 mm
9.8 x 5.1 x 1.8 in
(with cart)

PM8000 HW specs

Technology

Eddy-current

Connection

Wireless

Cover Measuring Depth

Up to 185 mm / 7.3 in

Cover Measuring Accuracy

+/- 1 mm / 0.04 in to 4 mm / 0.16 in depending on depth

Rebar Diameter Measuring Depth

up to 63 mm / 2.5 in

Rebar Diameter Measuring Accuracy

+/- rebar size

Encoder Accuracy

+/- 0.5mm / 0.02 in + 0.5% of measured length

Max Scanning Speed

0.5m/s - 1.7 ft / s

Max Line Scan Distance

1km / 0.6 miles

Display

High-contrast OLED screen

Dimensions

250 x 130 x 45 mm / 9.8 x 5.1 x 1.8 in (with cart)
190 x 75 x 45 mm / 7.5 x 3.0 x 1.8 in (without cart)

Weight

690 g / 1.5 lb (with cart)
300 g / 0.7 lb (without cart)

Battery

2 x AA (NiMH) rechargeable or non rechargeable
Removable
Flight-safe
8 hours autonomy
USB-C power bank (not included)

Accessories

39000270 Profometer test block

Upgrades

39221215 Upgrade from Profometer PM8000 to Profometer PM8000 Pro



SW Specs

PM8000 App

Measurement Modes

Line Scan
Spot data import

Review Modes

Line scan view
Signal strength view
Statistics

Image processing

Neighbouring rebar correction first layer
Neighbouring rebar correction second layer

Display settings

Concrete cover threshold slider with colour palette

On-site annotations

Markers
Photos
Geolocation
Voice notes

Reporting

Workspace integration
Share via URL
Automatic Logbook
Raw data export
Instant report generation

Export formats

JPG (Screenshot)
PNG
CSV
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Display Unit Sensors**:

LiDAR Scanner (optional)
Three-axis gyro
Accelerometer
Ambient light sensor
Barometer
Built-in GPS/GNSS



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PM8000 Pro

SW Specs

pm

PM8000 Pro App	
Measurement Modes	Reporting
Area Scan Multiline Scan Line Scan Spot data import	Workspace integration Share via URL Automatic Logbook Raw data export Instant report generation
Review Modes	Export formats
Area scan view Multiline scan view Line scan view Signal strength view Statistics	JPG (Screenshot) PNG CSV HTML DXF
Advanced visualization	Display Unit Specs**:
Heat Map Augmented Reality (AR) DBV (Deutscher Beton- und Bautechnik-Verein) advanced statistics	Latest Apple® iPad recommended (iPad with iOS 13.0 and higher) Screen size: From 7.9" to 12.9" Resolution: Up to 2732-by-2048 Memory: Up to 2TB Weight: Down to 301 g / 10.6 oz Camera: Up to 12MP Wide and 10MP Ultra Wide Optional: USB-C, 5G, Face ID
Image processing	Display Unit Sensors**:
Auto rebar spacing first rebar layer Neighbouring rebar correction first layer Neighbouring rebar correction second layer Align rebar positions	LiDAR Scanner (optional) Three-axis gyro Accelerometer Ambient light sensor Barometer Built-in GPS/GNSS
Display settings	
Concrete cover threshold slider with colour palette	
On-site annotations	
Markers Photos Geolocation Voice notes	



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PM8000 Pro

Rebar scanning with unique visualization

The expert cover meter



Comprehensive

Map concrete cover, rebar spacing and diameter values with efficient line scans, area scans and multiline scans.



Cutting-edge

Experience unique visualization of your data with Heat Map and Augmented Reality (AR) views and advanced statistics.



Precise

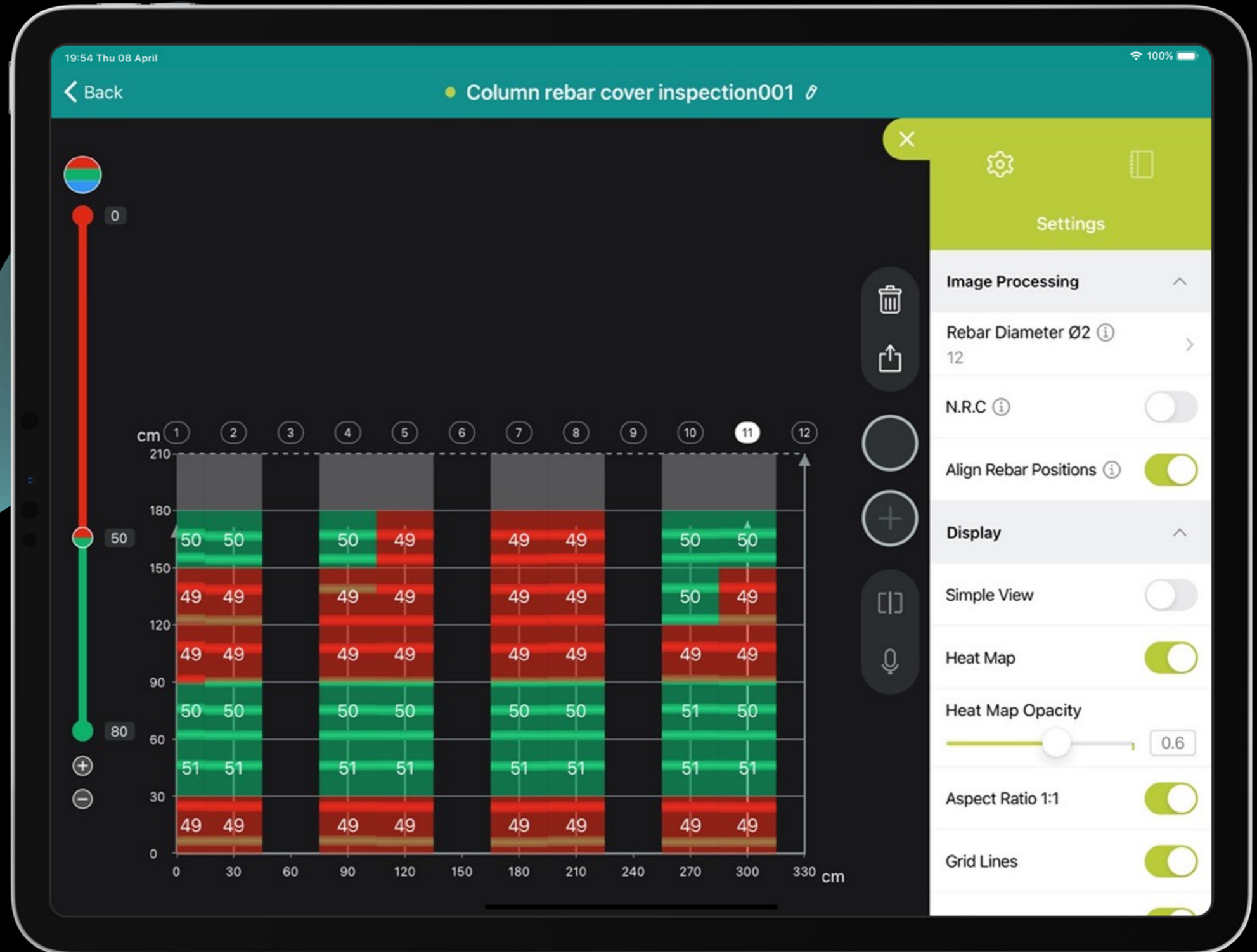
Experience unrivalled precision with sophisticated data interpolation and intelligent auto-mode to eliminate error margin.





Software

Profometer PM app



Ultra-clear visualization

See into concrete and visualize rebars with accurate cover and diameter values, dowels, live wires or any metallic object.



Streamlined workflows

Easy to use app with time-saving features, neighbouring rebar correction, and intelligent algorithms for accurate rebar spacing detection.



Outstanding deliverables

Generate insightful 2D imaging, AR heat maps, and advanced stats for reporting and collaboration anywhere, at any time PDF reports in a few taps.



Data management & collaboration

Stay organized with Workspace

1. **Collect** the data onsite
2. **Save hours** of time with no need to download or upload data back in the office
3. **Export data** directly from cloud as DOCX, CSV and produce reports in a few clicks



Increased efficiency

Have all your measurements stored automatically and safely in your personal cloud space for easy reporting.



Centralized data

Organize your measurement files and share with colleagues and other stakeholders in different formats including CSV, DOCX or DXF.





Applications

PM8000

Rebar location & cover checks

Locate and mark rebars, find safe spots to drill, check minimum cover, and estimate diameter.



Durability & structural resistance assessment

Map concrete cover for corrosion risk evaluation, estimate rebar diameter for structural capacity checks, and assess internal fire resistance rating based on cover depth.



Quality control of new constructions

Ensuring structures meet safety and durability standards with efficient large area quality control.





Applications

CASE STUDIES

Click on image or read QR code





Company

Screening Eagle Technologies is a connected ecosystem of software and sensors for intelligent inspection of the built environment.

Our mission is to protect the built world and enable a society that is safe for all, is of high quality, operates reliably and is truly sustainable. We aim to democratize Built World Data, empower service professionals with easy-to-operate technology, and allow asset owners to make data-driven investment decisions. Together, we contribute to a society that gives back more to nature than it consumes, creating a built world for future generations to enjoy and thrive within.



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