









GS9000 Multichannel GPR pushcart

Modular sensors. Highest data quality. Powerful 3D software. 100% real time.



Versatile

Two swappable array modules to cover one vast array of subsurface mapping applications.



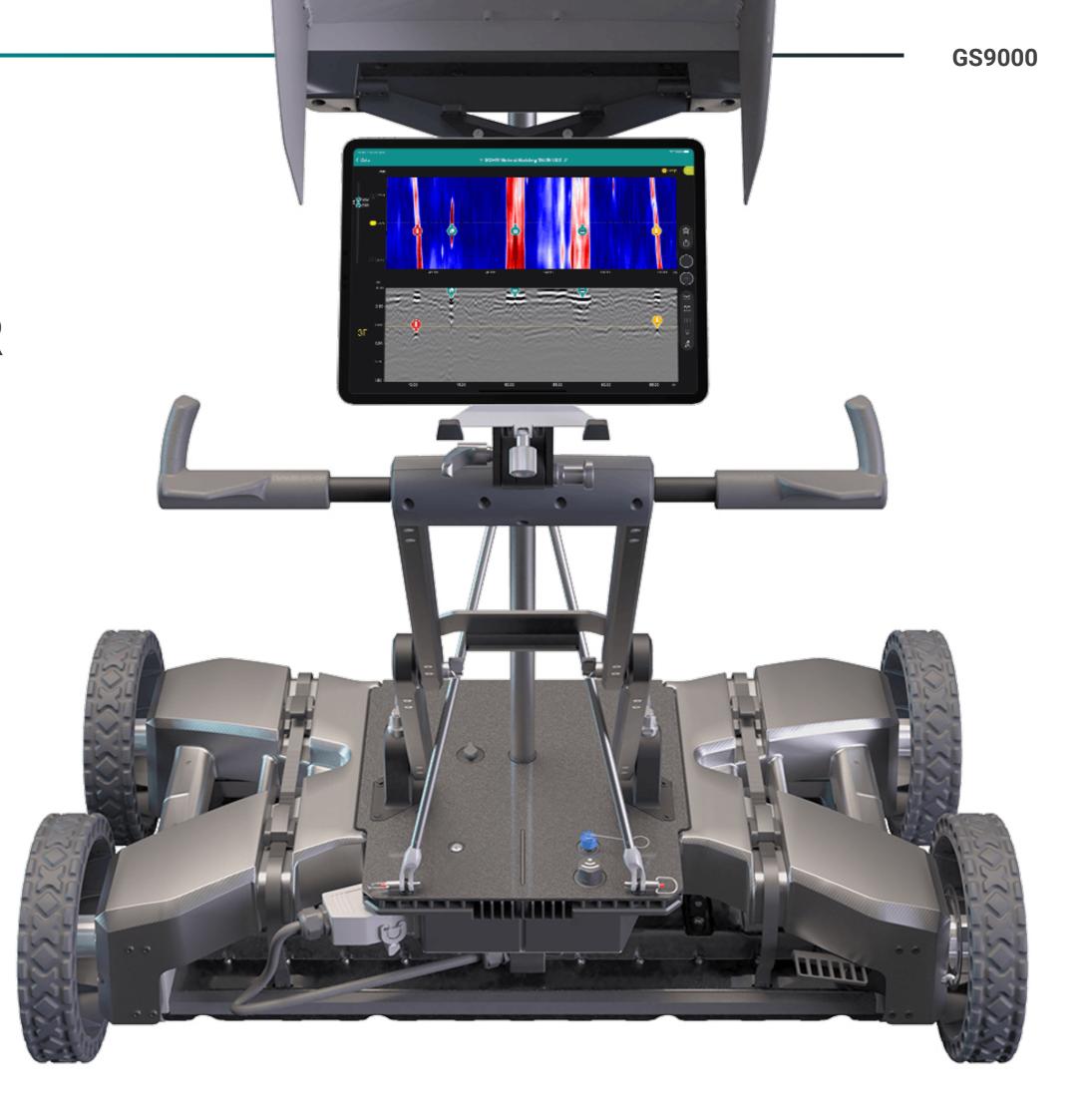
Efficient

Simple to set up and operate, with on-the-fly data visualization to avoid interpretation errors on site



Accurate

Seamless GPR + GNSS technology integration for accurately georeferenced high-density data.









Technology

Multichannel Stepped Frequency Radar



Outstanding data quality

Live signal modulation across a wide bandwidth and multiple channels, resulting in perfectly balanced radar imaging.



Compatible GPR array modules

GX1

High frequency range

- For structural applications
- Ultra-high resolution in first meter
- Frequency range: 500-3,000 MHz
- 35 + 15 channels, dual polarization
- 2.5cm (1 in) channel spacing

GX2

Low frequency range

- For utilities and geophysics
- Optimal detection in first 2-3 m
- Frequency range: 30-750 MHz
- 83 cm wide swath 11 channels
- 7.5cm (3 in) channel spacing







See buried objects forming on a map as you walk over them. No waiting time, all georeferenced.



Intuitive data

Complex data presented in an understandable way. All needed tools to interpret and digitize the reality on site.



Simple gestures

Interact with the user interface with simple, familiar gestures. Full control at your fingertips.

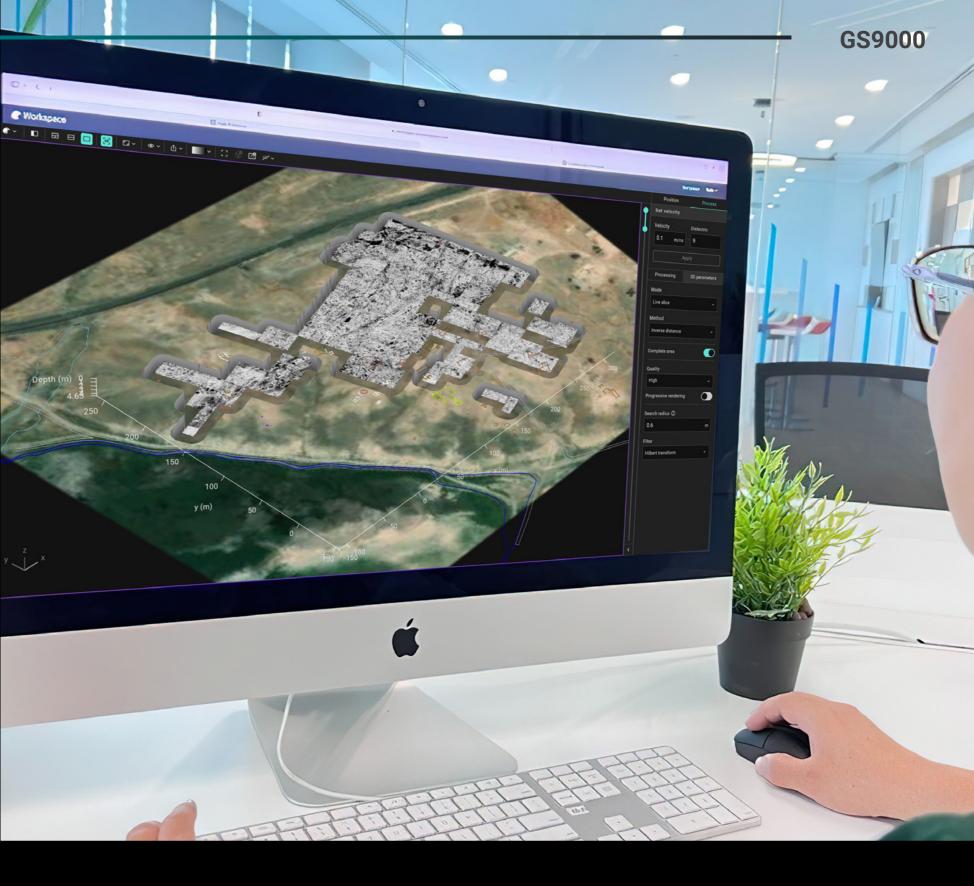


Instant sharing

Get your field projects, reports and drawings to your colleagues and clients in just one click.









Manage large projects

Merge multiple field jobs into one same project and see the big picture on a map.



Increase accuracy

Easily apply advanced filters to raw data, and correct topographically for the highest accuracy.



Get more insights

Organize how to see the data with advanced 2D and 3D visualization modes to not miss any detail.



Automated mapping

Ultra-fast algorithms to analyse raw data and create application-specific diagnostic maps



All powered by

Workspace

Cloud-connected workflow & services

Collect Sync Share



Streamlined workflow

Field data management, post-processing software and sharing options integrated in the same platform



Integrated services

Data conversion tools and services like real-time GNSS corrections running online for maximal convenience



Safe data

Get all field data synchronized to your personal cloud space automatically





Applications GS9000

SUE & Utility mapping

Detection of buried pipes, ducts and cables for safe digging or utility mapping purposes

Road & Bridge inspection

Structural diagnostics and monitoring of bridges, concrete structures and roadways

Geophysical surveys

Geotechnical projects and detection of geological anomalies and hazards

Archaeology & Forensic explorations

Prospection of archaeological sites, detection of unexploded elements





Bridge condition & deterioration

Concrete cover & moisture mapping

Asphalt layer thickness analysis

Fiber cable detection and mapping





F© CE LIK ℤ **GS9000**

Dimensions

45Kg

72 x 118 x 44 cms

Up to

27,500 scans/m

5,000 points / linear m

HW Specs





Wireless



Real-time 3D accuracy



SSR included NTRIP compatible

1-5 cm

Total station compatible



SW Specs





Field software

Field methodology

Free Path Superline

Live Image Processing

Time Slice View (geo-referenced)

Hilbert migration

Depth range adjustment

Dynamic Gain / Manual Gain

Sensitivity filter

Background removal filter

Noise cancellation filter

Frequency filter

Live Display Options

Satellite imagery

GNSS trajectory

CAD object layers

Spectral / seismic color palettes

On-site annotations

Tags

Points of interest

Photos

Voice markers

Markups Linework

Field calibration options

Odometer calibration

Velocity by hyperbola fitting

Velocity by hyperbola fitting

Velocity for multiple layers

Cloud services

Live data synchronization to Workspace¹

Permanent data storage

Raw data export to SEG-Y

Instant CAD / SHP / KML drawing generation

Instant report generation

Share via url

Coordinate Systems

EPSG global database Local grid models

Geoid models

Languages

English, Spanish, French, German, Italian, Chinese, Japanese, Korean

Display unit

Any iPad Pro® with M2 chip²

Screen resolution: up to 2732 x 2048 pixels

Storage capacity: up to 2 TB

Post-processing software

Web version

Running on Workspace personal cloud space

Special modules

3D multichannel

Utility Mapping

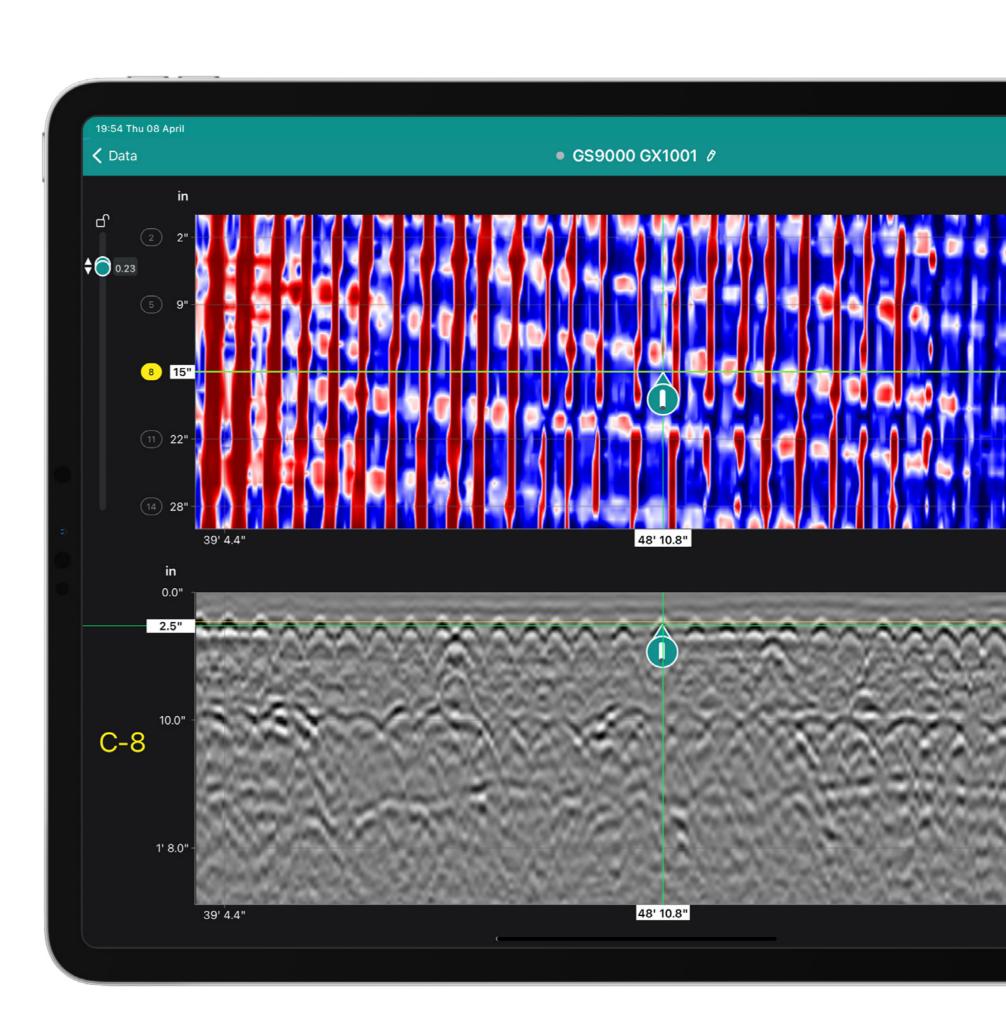
Bridge inspection

Local version

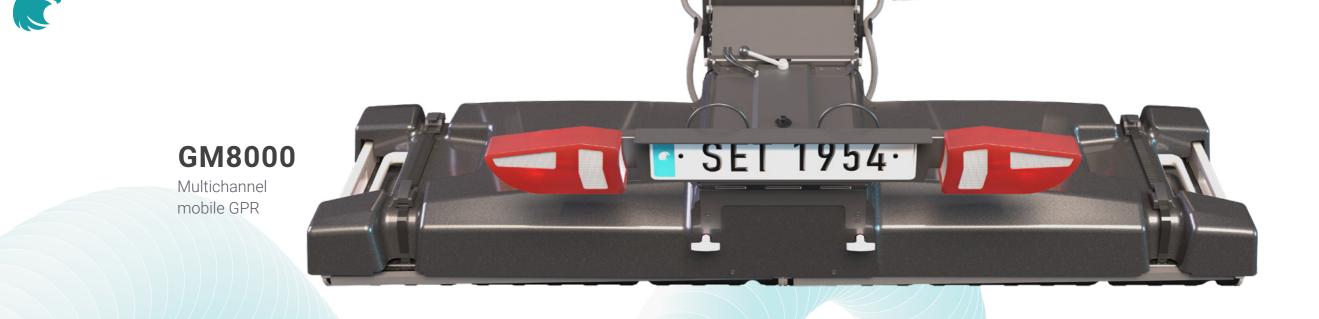
PC running Windows 10 or superior³



^{2.} Running an up-to-date iOS version; recommended models: iPad Pro® WiFi + Cellular (2022 model or superior)

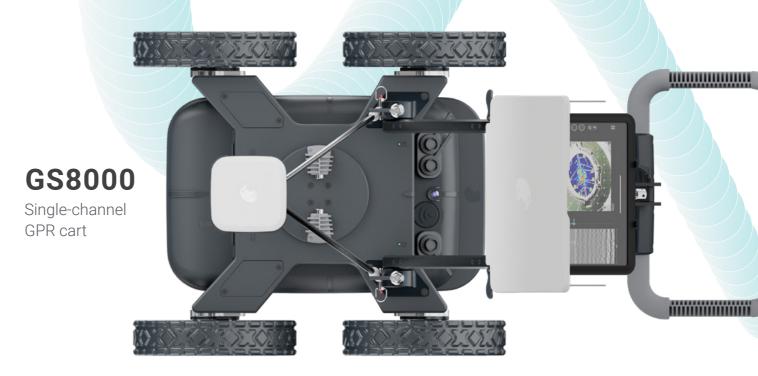


^{3.} Recommended: x64 architecture, 1 TB hard drive, 32 GB of RAM memory, Full HD monitor



GS9000 Multichannel **GPR** cart

All dimensions of subsurface mapping





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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