



# StructureScan Professional

## Complete GPR System for Concrete Inspection and Analysis

StructureScan Professional™ safely locates embedments within concrete structures prior to drilling, cutting or coring up to a depth of 18 inches. This innovative tool combines GSSI's SIR-20 data acquisition system with a rugged Panasonic laptop to produce a comprehensive 3D concrete inspection method. GSSI also incorporates its powerful RADAN imaging software into the system for simple viewing of targets.

### Typical Uses for StructureScan Professional Include:

- Concrete inspection – locate metallic and non-metallic targets in walls, floors
- Structure inspection – bridges, monuments, walls, towers, tunnels, balconies, garages, decks
- Condition assessment – map relative concrete condition for rehab planning
- Measure slab thickness
- Void location



### Locate Targets

- Surveys from 0-18 inches in depth
- Locate rebar, tension cables, conduits (PVC and metal) in real-time
- No site hazards or need to close off work areas as with radiography (X-Ray)

### Acquire Data

- Panasonic ToughBook laptop with Windows XP & RADAN included to facilitate data processing
- Data is displayed on a 13" high definition monitor
- Easy data transfer, generic ASCII output files
- Ability to save data internally

### Deliver Results

- Rugged handcart-based system that is lightweight and simple to transport
- Smart Pad technology eliminates grid layout and simplifies data collection

### Value

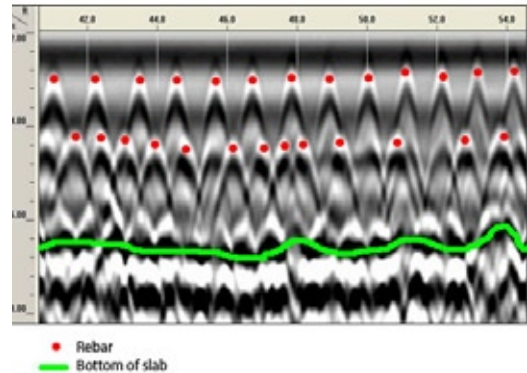
- Affordable, turn-key solution
- Two-year warranty



# StructureScan Solutions

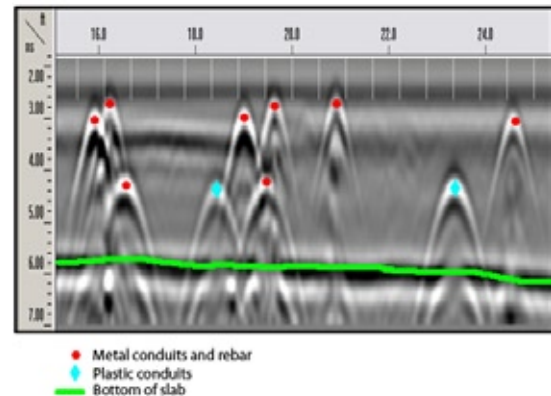
## Locate Rebar

Concrete and construction professionals use ground penetrating radar to safely locate structures within poured concrete prior to drilling, cutting or coring. Take advantage of locating targets in real time, with only single-sided access required.



## Trace Conduits In Concrete Slabs

Detect what lies beneath the surface before cutting or coring concrete. StructureScan allows concrete and construction professionals to safely identify conduit locations, therefore avoiding costly or dangerous hits.



## System Includes

- SIR-20 control unit
- 1600 MHz antenna
- Model 615 handcart with encoder
- 7-meter control cable
- RADAN software
- Structure ID module
- Patented data collection pad
- Paper pad (20 sheets)
- Two rugged carrying cases
- Battery and charger
- Training (at GSSI: NH or CA)

## Control Unit Specifications

- Internal Memory: 80 GB
- Display: 13", full-color
- Post-processing: On-screen
- Battery: External (4 hours), 12 VDC
- Ports: RS232, USB

