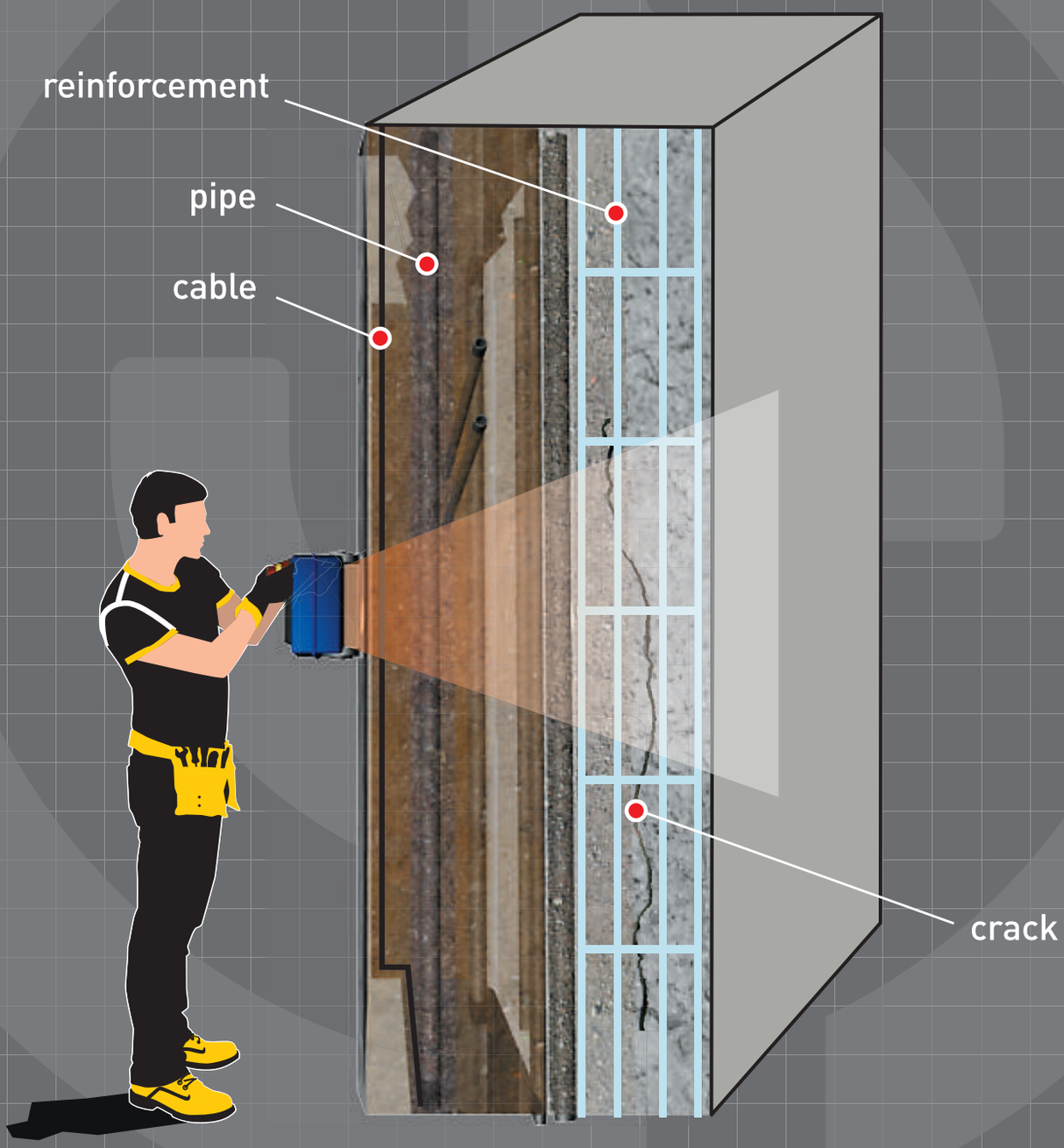
CONSTRUCTIONSCAN

ConstructionScan is a portable all-in-one GPR solution designed for the automated localizing defects in a wide variety of wood, brick and reinforced concrete structures, at depths up to 1 m.



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CONSTRUCTIONSCAN

APPLICATIONS

- Detection and location of different defects in reinforced concrete
  - -Cells, cavities
  - -Foreign inclusions
  - -Cracks, layering
- Determination of reinforcement specifications
  - -Size
  - -Occurrence depth
  - -Degree of corrosion

- Detection of buried wiring, cables and communications lines
- Detection of plastic and metal pipelines
- Detection of heterogeneities, anomalies and other buried in solid environment (which wood, brick, reinforced concrete, building constructions, soil, etc)
- Discovering of ventilation and communication channels
- Detection of shelters and covered-up holes

SPECIFICATIONS

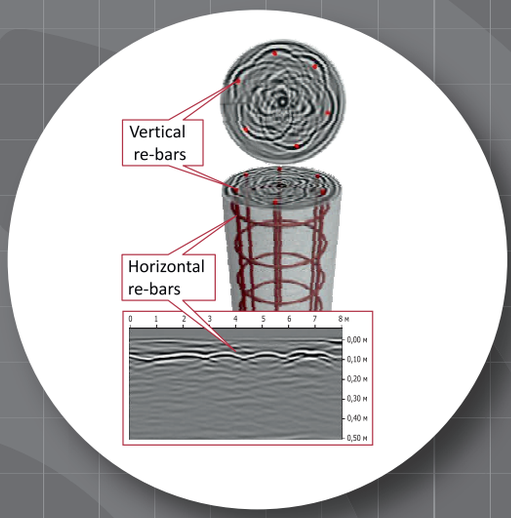
	ConstructionScan CS-1700	ConstructionScan CS-2500
Penetration depth	not less than 1 m	not less than 0.6 m
Resolution	not less than 3 cm	not less than 2 cm
Minimum diameter of detected semiconductor	0.3 mm	0.2 mm
Rate of penetration	not less than 1 m/sec	not less than 1 m/sec
Antenna central frequency	1700 MHz	2500 MHz
Weight	1.5 kg	1.5 kg
Dimensions	22 x 17 x 14 cm	22 x 17 x 14 cm
Languages	English, Russian, Chinese	English, Russian, Chinese
Temperature range	-20°C ... +50°C	-20°C ... +50°C
Running time	4 hours	4 hours
Environmental	IP65	IP65

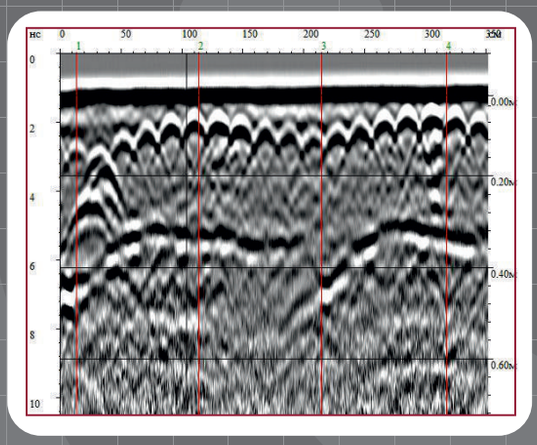
CONSTRUCTIONSCAN

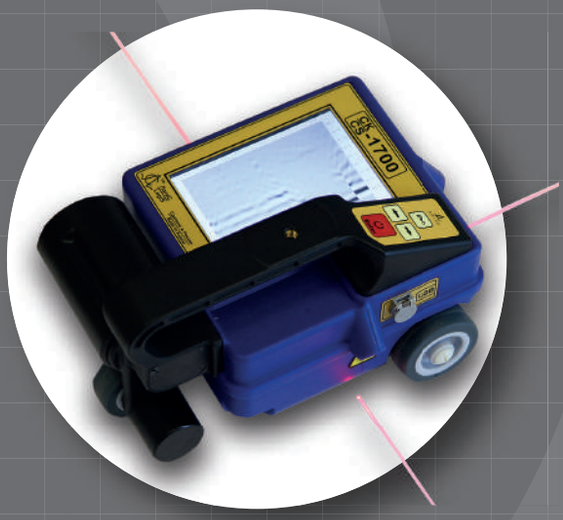
FEATURES

- ALL-in-one GPR System
- 5” TFT color display
- 3D visualization
- Built-in USB interface.
- Internal 2 GB Flash memory card
- Detachable SD-card
- Guiding laser
- Data collection grids (3D system)
- Built-in bar code reader

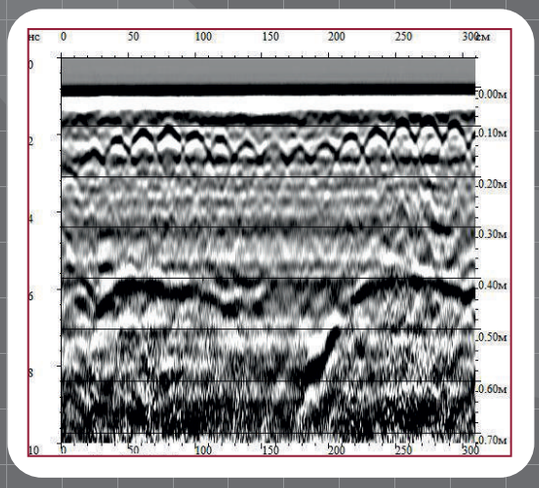
Software R-Scan can provide represent all data in 3D imagery using a special marking rug with a bar code







ConstructionScan CS-1700 3D
ConstructionScan CS-1700



ConstructionScan CS-2500

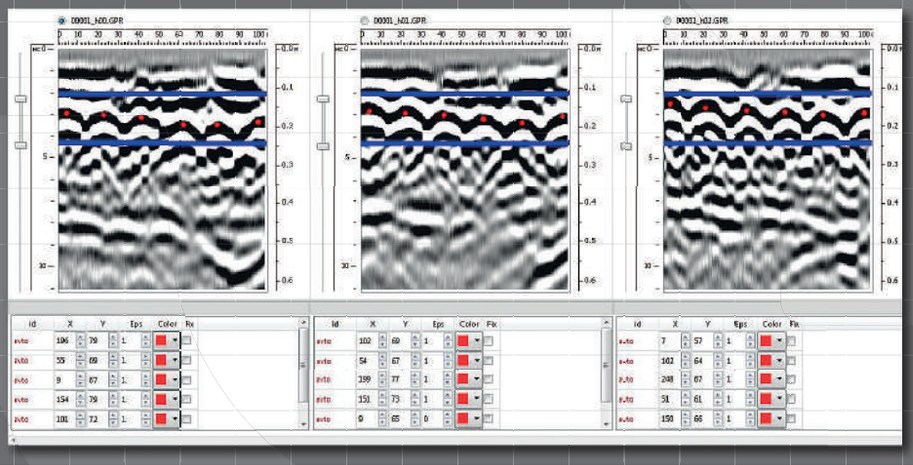
CONSTRUCTIONSCAN

R-Scan 3D

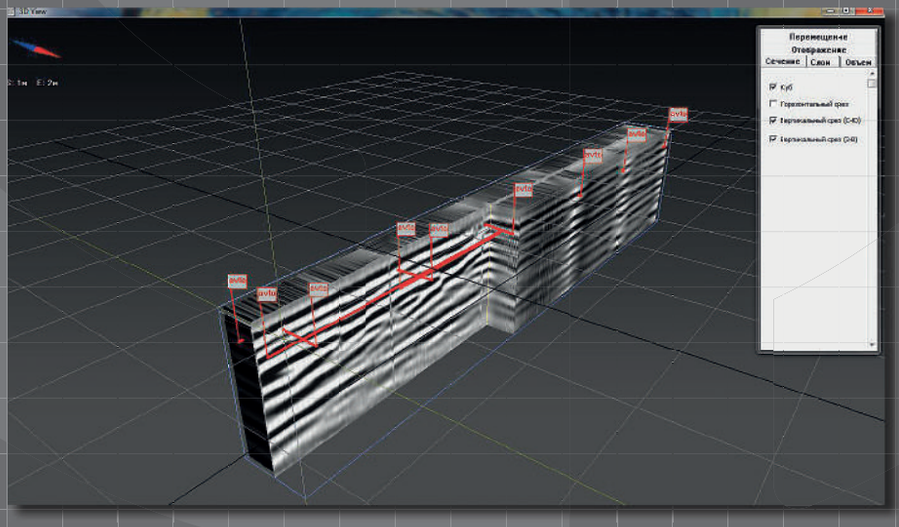
Specialized software R-Scan is a new solution for automated location of reinforcement, cables, pipes. The software allow susers to build the utilites (reinforcement, pipes, etc) in 3D. The user can locate defects, different anomalies and other objects.

Examples

1. Automated location of reinforcement



2. 3D model



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