

DECIFER

GPR TRAINING SYSTEM



C-thru

For companies that need a high quality GPR concrete scanning training program for the IDS C-thru radar system. The Decifer GPR Simulator software - designed specifically for the IDS C-thru - reduces the time required for a new GPR technician to become proficient in the use of the C-thru and concrete GPR scanning methodology. Decifer is a full featured training simulator which is a complementary tool for basic training programs and ongoing remote mentoring.

Since incorporating in 2001, Terraprobe Geoscience has completed over 10,000 GPR projects covering a wide spectrum of applications. As a GPR service provider we quickly came to realize that training new technicians was largely left to our "in-house" programs. As we developed our training approach, we wrestled with the fact that the only way to provide training on the multitude of real world challenges we face was to send our trainees along with senior technicians on real projects. This creates a number of issues including cost and long, inconsistent training timelines.

Terra probe developed the Decifer GPR Simulator utilizing over 30 years of accumulated field knowledge. Our technicians have educational backgrounds in civil engineering and geology as well as doctorate level research in the GPR domain. All of this experience is used to create a realistic methodology for learning and practice for GPR concrete scanning technicians.

GPR CONCRETE SCANNING TRAINING SYSTEM for C-thru

Easy to Use - Fully Featured

- Intuitive design means little time spent to learn to use the software.
- Limitless, randomly generated scanning "Problems" with user selectable 'in-slab' targets.
- The generated pattern is unknown to the trainee until the "Display Solution" button is selected.
- Completed problem solutions may be saved and sent for review by qualified technician.
- Allows for variable Radar System Setup scenarios - antenna frequency, permittivity, time window and more.
- Highly Realistic Radargram Generation.
- Dual antenna polarization simulation

Graduated Training Methodology

- Learning is done in graduated levels.

In Slab Targets Available (more coming)

Rebar: Top, Bottom, Some Stopping, Variable Quantity, Random or fixed Orientation

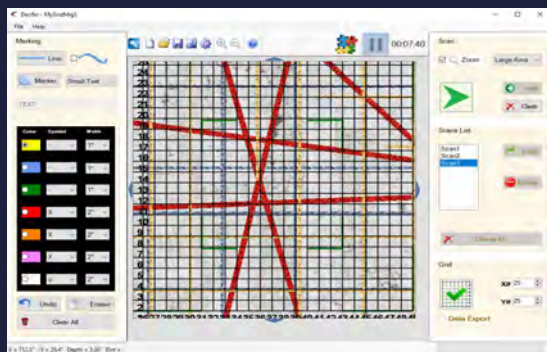
Wire Mesh: Various density

Conduits: Variable Quantity, Depth Changes, Curved or Straight

Slab Type: Suspended, On-Grade, Q-Deck (various channel widths), Fixed or Random Thickness

Slab Bands, Beams

2D "Line Scan" Simulation Pattern Screen



Simulated Radargram screen showing scan line result



CONTACT US FOR ADDITIONAL INFORMATION:

833 - 232 - 4337

www.idsgeoradar.com

sales@decifergpr.com

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