HEXAGON

PRODUCT BROCHURE

C-THRUE

SEE THROUGH CONCRETE STRUCTURES AND REVEAL TRUE DATA THAT LEAD TO OPTIMAL DECISION-MAKING

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SEE THROUGH CONCRETE STRUCTURES AND REVEAL TRUE DATA

Construction and service companies as well as civil and structural engineers can improve the way they **locate rebars, voids, post-tension cables, cavities, conduits** and any other objects buried in the structure before cutting or drilling into the concrete.

UNIQUELY IMPROVE DECISION-MAKING

- **Dual antenna polarisation** for the optimal detection of both first and deeper levels of rebars.
- **Virtual Pad** - Built-in, automatic, and highly accurate position and navigation system.
- **Augmented Reality** for 3D data visualisation.

FEATURES AND BENEFITS

- **Clearer and faster surveys:** Detection of first and deeper layers of rebars and objects in the structure thanks to the system's dual antenna polarisation.
- **Fully-visible, multi-touch display:** data displayed on the screen are never obscured by the handle or the user's hand.
- **Increased data accuracy:** an automatic position and navigation system for easy relocation of safe areas to drill or core.
- **Safe drill in the surveyed structure:** Improve safety before cutting or drilling into concrete with rebar/void automatic insight capabilities.
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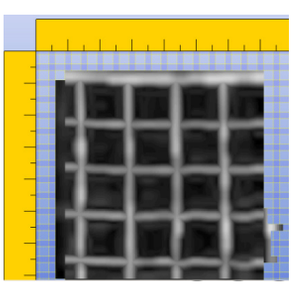
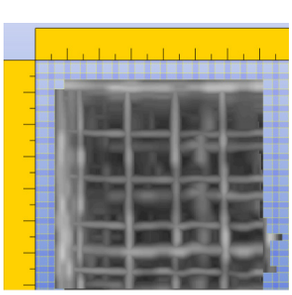
- **Advanced data visualisation:** augmented reality for 3D data visualisation and sharing, in real time or intervals after acquisition.
- **Flexibility anywhere:** lightweight, compact and transportable system for any user operations and construction sites.



Standard GPR visualisation

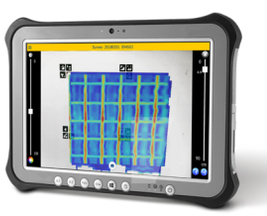
Automatic position and navigation system (Virtual Pad) increases productivity and reduces survey times.



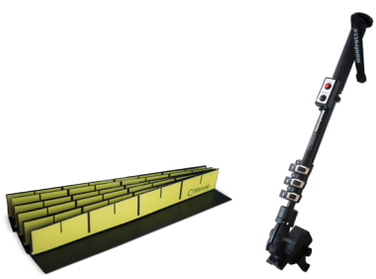
C-thrue visualisation: dual antenna polarisation allows the optimal detection of both first and deeper levels of rebars

Augmented reality for real time data visualisation, supporting decisions on-site, data sharing with customers and project collaborators.

ALL-IN-ONE, COMPACT AND PORTABLE SYSTEM



Wi-fi connection for real time remote control, data processing and Augmented Reality



Positioning kit /virtual pad and telescopic pole

Case

TECHNICAL SPECIFICATIONS			
Antenna center frequency	2.0 GHz	Dimensions (length x width x height)	285mm x 200mm x 160mm (11,2in x 8,6in x 6,3in)
Antenna polarisation	Horizontal and Vertical	Weight	2.4 kg (5 lb) with battery
Number of antennas	4	Display	7.0 inches TFT multi-touch
Number of radar channels	2 (dual-polarised antennas)	Data storage	32 GB
Scan interval	Up to 10 scans/cm	Battery	Li-ion, 15V, 3.2Ah, 3-hour runtime
Depth range	Up to 80 cm (up to 31.5 in.)		
Positioning system	"Virtual Pad" (based on 3 High safety - Class 1 laser sensors with reflective bars) Paper Pad	**ACCESSORIES SPECIFICATIONS**	
AC Power conduits detection	EM sensor integrated (50/60 Hz)	C-thrue External Controller	Real time remote control, Data processing and representation of results in Augmented reality
Connectivity	USB, Wi-Fi	C-thrue Pole	• Telescopic aluminium pole • 1, 8 m (6ft) • Remote control buttons
Environmental rating and IP65	Compliant with mil-std-810g		

HEXAGON

Hexagon is a global leader in digital solutions that create Autonomous Connected Ecosystems (ACE), a state where data is connected seamlessly through the convergence of the physical world with the digital, and intelligence is built-in to all processes.

Hexagon's industry-specific solutions leverage domain expertise in sensor technologies, software, and data orchestration to create Smart Digital Realities™ that improve productivity and quality across manufacturing, infrastructure, safety and mobility applications.

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