tRAXX construction products

CONQUEST 100

Ground Penetrating Radar

PASSION. INNOVATION. EXCELLENCE

CONQUEST 100

Get rapid, reliable results and reduce the need for destructive testing.

Conquest 100 is a light, portable device that provides a fast, non-invasive method to gain accurate insights of obects below the surface, even on a curved surface or column.

Conquest 100 reduces risks by detecting rebar, post-tension cables, metallic and non-metallic conduits as well as current-carrying wires embedded in concrete. Once your scan in complete, Conquest 100 connects to your mobile device, allowing you to email information directly from the field. Back in the office view your data and make client-ready reports in minutes.

SPECIFICATIONS

	DISPLAY UNIT	SENSOR HEAD	TRANSPORT CASE
SIZE	240 x 240 x 140 mm	190 x 30 x 150 mm	830 x 440 x 26 mm
WEIGHT	3.26 kg Battery = 0.48 kg	1.0 kg	21 kg
POWER CABLE DETECTOR	Locates current at 50 Hz and 60 Hz		
DATA COLLECTION MODES	**LINE SCAN:** max line length 50 m **GRID SCAN:** 600 x 600 mm, 600 x 1200 mm, 1200 x 1200 mm **ENHANCED:** 2400 x 2400 mm, 2400 x 600 mm		
DATA EXPORT FORMAT	PNG graphics image files, PDF mini reports via email through Wi-Fi **Enhanced:** Project (gpz) digital data file		
DATA QUALITY ENHANCEMENT	DynaQ - Dynamic Auto Stacking Spatial Filtering		
VIEW DEPTH	User-defined: 300 mm - 910 mm		
GPR TRIGGER	2 Wheel Drive optical encoder, <0.5 mm resolution		

APPLICATIONS

Locate rebar post-tension cables, metallic and non-metallic conduits embedded in concrete.

Create detailed scans of concrete floors, decks, columns, walls and ceilings to detect embedded objects before cutting or coring. Detect voids beneath slab-on-grade.

Locate and map current carrying wires using Power Cable Detector (PCD) technology.

On-site Reports
Produce instant reports from your unit. Including screen captures and line/grid/coring/depth information. Connect to your mobile and email detailed results directly from the field.

High Resolution touchscreen
Allows you to see targets clearly . Multi-language Menus.

Swappable Li-Ion battery
Minimise downtime with long lasting swappable batteries.

Power Cable Detector (PCD)
Ensures safety by locating current-carrying cables in the area.

Screen capture function
Transfer reports wirelessly via smart phone

Lightweight sensor head
Enables easy scanning of walls and ceilings.

ACCESSORIES

Long reach re-sizeable handle: increases comfort by allowing operator to stand upright

Carrying harness: comfortably supports the Display Unit, while keeping hands free for other tasks

Extra battery pack: work long hours without interruption

Desktop charger: convenient option for charging batteries

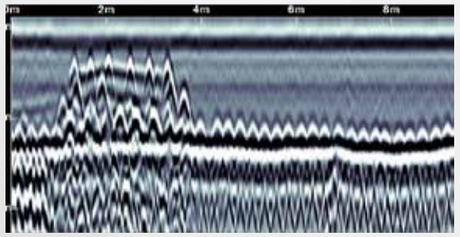
Additional sensor head cable: there are various lengths available to suit your application

Conquest 100 Enhanced
provides access to digital data for advanced processing, analysis and reporting

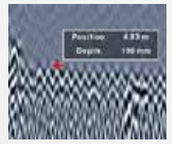
Conquest 100 Enhanced option includes:

- EKKO_Project software
- Display Unit upgrade packaging

Line Scan:
Line Scan reconnaissance surveys provide a real-time assessment of targets embedded in concrete. Pinpoint targets with the backup arrow.

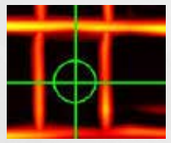


Classify targets in real time with colour-coded field interpretations by simply touching the screen



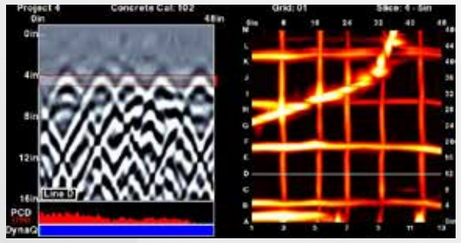
Display position and depth of targets with the touch of a finger

Decide exactly where to drill in the grid with the drill locator with variable drill bit diameters

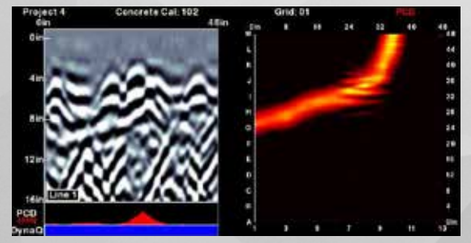


Classify targets with field interpretations.

Grid Scan Mode:
Grid Scan detailed mapping generates on-site 3D images to better visualise embedded objects. Multiple grid sizes available.



Power Cable Detector (PCD)



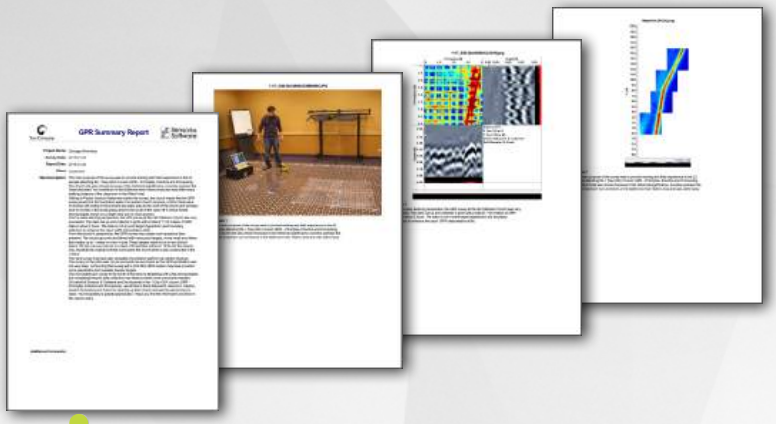
Power cables embedded in concrete pose an immediate risk when construction work needs to be done.

PCD augments GPR imaging with the ability to detect current-carrying utility lines.

Locate and differentiate these hazardous utilities from other structural elements.

EKKO_PROJECT

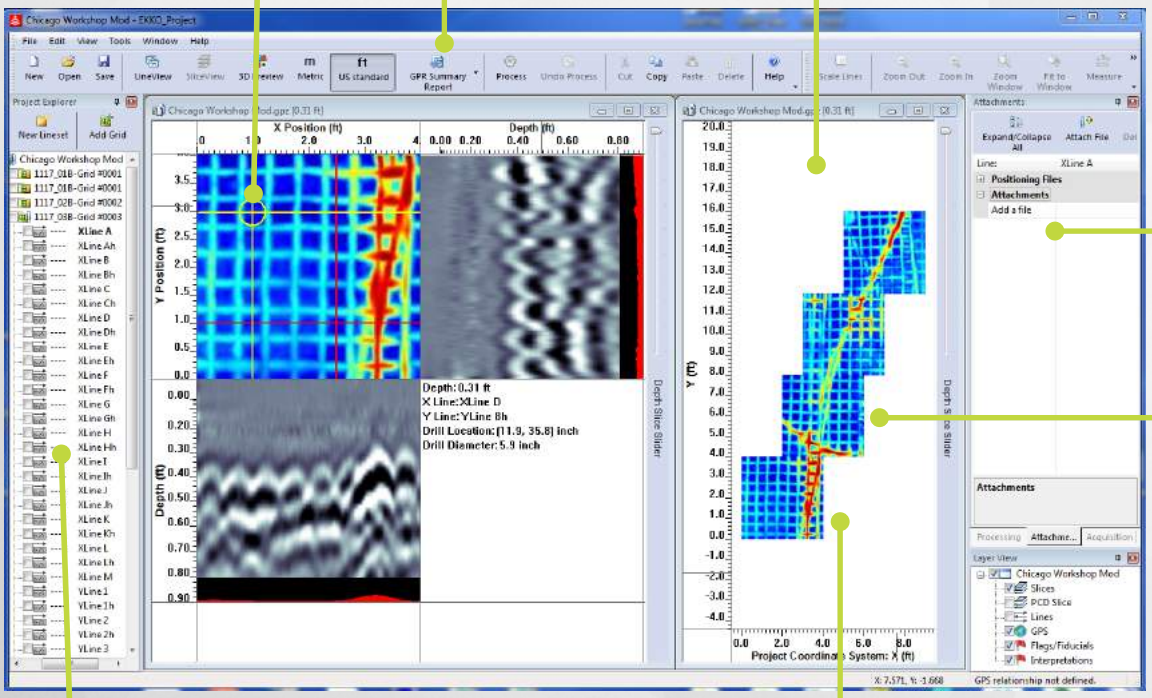
Use EKKO_Project software to easily organise and display data exported from the Conquest 100 Enhanced system. Quickly visualise your data, extract valuable insights and produce superior deliverables for your clients.



Locate
where to position cores

Generate
impressive reports, containing data images, photos and text

Display
GPR lines and grids and save them as graphic image files



Attach
photos and other files directly to the data

Slice
through multiple grids simultaneously to reveal targets

Organise
and rename your lines and grids easily

Connect
your grids together to see the big picture

TRAXX CONSTRUCTION PRODUCTS
Unit 4/1 Rocklea Drive, Port Melbourne, Victoria, Australia 3207
Phone: 1300 109 108 | **Telephone:** +61 (0)3 9646 9200 |
Email: info@traxxcp.com.au | **Website:** www.traxxcp.com.au