**Ground penetration radar GIN-300/30-UK**

Ground penetration radar is automatic system for real time non-destructive surveys and does not require highly trained engineers for interpretation of radar information on a PC / laptop display.

The system is designed to be mounted on trucks and could be operated at a speed up to 80 km/hr. In the process of operation ground penetration radar through radiated RF obtains information on ground pillow and infrastructure object composition and possible change of structure compared to standard equivalent.

Thus, the ground penetration radar is widely used during construction and further servicing of roads and bridges. Model GIN-300/30-UK is specifically designed for terrain and climatic condition of British Islands.

The ground penetration radar is automatically acquiring and storing radar data in digital format on a hard disk. Specialized software makes data analysis simple and consists of automated and computer assisted programs, which provide 2D and 3D subsurface profiles and plan-view subsurface mappings of the inspected area.

Main features of the system:

a) depth of penetration of RF beam - 15 m for ground pillow, 8 m for concrete structure;

b) environment / human friendly;

c) no contact with inspected surface is required;

d) rugged design for high mobility vehicle application;

e) Windows based data acquisition and processing software providing output in graphic and numerical format;

f) touch-screen interface for operator controls;

g) GPS compatible.

