



Capability Statement

Company Snapshot

Founded in 1979 Global Digital Systems Ltd (Operating name GDS Instruments) designs, develops and manufactures materials testing machines and software used for the computer-controlled testing of soils and rocks. This technology is used to evaluate the mechanical properties that are key in geotechnical and earthquake engineering design. In 2011 GDS were awarded the coveted Queens Award for "Enterprise in International Trade".

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Past Performance



Bureau of Reclamation
4 Total Contracting Actions.
Details of FPDS.gov Bureau of Reclamation History



Sentel Corporation
(Dept of the Army)
3 Total Contracting Actions.
Details of FPDS.gov Dept of the Army History

Core Competencies

Manufactures of a Large Range of Geotechnical Testing Apparatus, for Varying Loads & Forces:

- [Static & Dynamic Triaxial Testing](#)
- [Rock Mechanics](#)
- [Shear Testing](#)
- [Environmental Temperature Controlled](#)
- [Resonant Column](#)
- [Hollow Cylinders](#)
- [Field Geophysics](#)
- [Consolidation System](#)
- [Pressure & Volume Controllers](#)
- And More...

Special Products Group (SPG):

- GDS' SPG provide a service for creating bespoke testing apparatus. Existing drawings can be adapted or complete new systems designed.

On-site Training & Installation Carried out by Geotechnical Engineers:

- GDS quality assure all equipment before shipping and can provide on-site training and installation if required. All installations and training are carried out by qualified Geotechnical Engineers.

Highly Skilled Workforce:

- GDS UK based staff include 3 PhD's, 8 qualified geotechnical engineers, 4 software designers, 4 hardware designers and 5 electrical/electronics specialists.

World Renowned Technical Support:

- GDS have their own dedicated online support centre where you can find product helpsheets and log your queries. They also provide email, telephone and remote access technical support should it be required.

NAICS, PSC & Class Codes

(For Full class code descriptions please contact us direct)

334516	Analytical Laboratory Instrument Manufacturing.
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals.
541380	Testing Laboratories.
541330	Engineering Services.
541512	Computer Systems Design Services.
541712	Research and Development in the Physical, Engineering, and Life Sciences (except biotechnology).
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing.
3710	Soil Preparation Equipment.
4310	Compressors and Vacuum Pumps.
6695	Combination and Miscellaneous Instruments.
6636	Environmental Chambers and Related Equipment.
6685	Pressure, Temperature, and Humidity Measuring and Controlling Instruments.
6655	Geophysical Instruments.
6625	Electrical and Electronic Properties Measuring and Testing Instruments.
Class Code B	Soil Preparation Equipment.
Class Code H	Compressors and Vacuum Pumps.
Class Code K	Combination and Miscellaneous Instruments.
Class Code N	Environmental Chambers/Related Equip.