

Laser Profiling Sewer Investigation

keeping things moving...

DrainsAid
First Aid For All Your Drains



DrainsAid™ has over 40 years' experience in CCTV surveying servicing the UK's regulated Waste Water sector and private sector. Over the last few years we have invested heavily in the latest CCTV surveying equipment and training.

Our operations are carried out in strict accord with our Management Systems that are fully accredited to ISO 9001:2015 (Quality); ISO 14001:2015 (Environmental) and ISO 45001:2018 (Health & Safety) standards. Our Health and Safety system is also fully SSIP certified.

We are accredited by Achilles UVDB Verify and RISQS vendor assessment schemes used by the majority of the utility, oil & gas and rail sector clients and Construction Line (Gold) recognised by the majority of public sector clients.

Laser Profiling

With developers now choosing to install PVC Pipelines, as opposed to traditional clay or concrete pipes, warping and deformation is a regular occurrence. Laser Profiling can be used to build a three dimensional pipe profile, allowing us to determine the pipe's shape, capacity and ovality.

- Equipment compatible with various crawler cameras, which allow fast, simple installation.
- Capability to undertake a 500m length survey from one access point.
- Flotation device for pipelines with heavy flows
- For a wide range of pipe diameters
- Ability to find 1% deformations, with an advised maximum ovality of 6%

iPEK Laser ShapeScanner



Our iPEK Laser ShapeScanner projects a ring of laser light onto the internal wall of the pipe, as the camera traverses down the pipe, providing a 3D cross sectional profile. The raw data can be viewed in real-time while on site, but is also recorded for further assessment.

The device can be utilised in circular pipes ranging from 150mm - 700mm in diameter. It is easily attaches to one of our Rovian Crawler Cameras, offering the ability to traverse the pipe and provide a cross sectional profile, without the need for man entry.



WinCan VX LaserScan Software

Inclination Reports

Inclination reports can be used to identify sags and other potential flow problems by measuring falls and rises within the pipe length.

When undertaken in conjunction with a Laser Profiling Survey, Inclination data is collected using our camera crawlers built in inclinometer and displayed as a line graph. Using our WinCan VX software, we can provide a detailed inclination report in a PDF format, along with video footage on a USB drive.



DrainsAid™ Hotline: 0800 0180123

Our list of expert services include:

- Cleaning/Desilting
- Repair work
- Maintenance
- Jetting
- CCTV survey
- Quick Lock system
- Lining
- Excavating
- Pipe bursting
- Traffic management
- Drainage design

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