

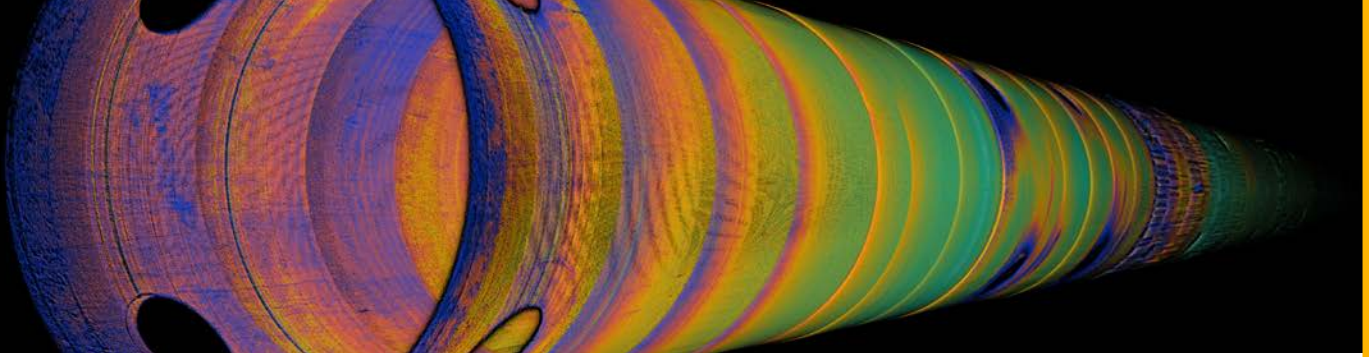


STATIC LASER SCANNERS

Insight Nano

The Insight Nano is a compact laser scanner designed for straightforward 3D modelling. The integrated actuator and simple user interface enable non-intrusive qualitative inspection without any external aiding sensors.

The system is capable of integration with a variety of deployment vehicles, including small ROVs and pipe crawlers, to deliver high resolution data in confined spaces like pipes, tunnels, and flume tanks.



At A Glance

An overview of the main benefits to using an Insight Nano for your project.

👍 Easy to use

✓ No additional sensors required

✂️ Operation in **confined** spaces, in air or water

🎯 Proven accuracy

Specifications Integration drawings available - [contact sales](#)

Feature	Short-range	Medium-Range
Scan Range	0.13m - 1m	0.36m - 2.5m
Points Per Line	480	480
Angle of View	50°	50°
X Resolution (Along laser line)	0.3mm @ 0.13m 1.2mm @ 0.6m 1.9mm @ 1m	0.7mm @ 0.36m 2.7mm @ 1.4m 4.9mm @ 2.5m
Y Resolution (Profile to profile)	0.05mm @ 0.13m 0.2mm @ 0.6m 0.3mm @ 1m	0.1mm @ 0.36m 0.4mm @ 1.4m 0.9mm @ 2.5m
Profile Rate	9.9Hz	9.9Hz
Laser	40mW Class 3R 520nm	75mW Class 3R 450nm
Power Consumption	7W (max), 12-24 VDC	7W (max), 12-24 VDC
Data Interface	RS-485 half duplex USB	RS-485 half duplex USB
Weight	2.4kg (water), 4.3kg (air)	2.6kg (water), 4.7kg (air)
Depth Rating	350m	350m
Data Storage	Topside control computer	Topside control computer
Data Acquisition	ScanSoft (included)	ScanSoft (included)
Calibration	Factory calibrated	Factory calibrated
Export Data Formats	.XYZ (CSV)	.XYZ (CSV)

