

# GW-4™

3/09

## Pipeline Girth Weld Scanner



The GW-4 is an automated digital X-ray scanner for inspecting pipeline or vessel weldments during new construction.

Using the latest CMOS X-ray imaging technology, the GW-4 scanner can complete a 3 inch wide, high resolution scan of a 24 inch pipeline in one to two minutes depending on pipe wall thickness. On larger pipe, two or three scanners are run simultaneously.

The system is sturdy, compact, lightweight and easily deployed on the pipeline by one person. Using a unique magnet drive system, the GW-4 can be mounted to the pipeline, ready to scan, in 30 seconds.

The GW-4's integrated controller handles the scanning tasks, while the operator's portable workstation captures the inspection, allowing instant analysis and digital storage of the inspected weld.

### Specifications

<b>pipe size:</b>	Steel pipe 12" and larger
<b>image resolution:</b>	80 microns (.003")
<b>sensitivity:</b>	2-2T or better
<b>X-ray requirements:</b>	Constant potential X-ray from 20Kv to 450Kv,
<b>scan speed:</b>	up to 1.6 seconds per inch, depending on resolution requirements and material thickness
<b>image file size:</b>	150KB/sq.in., i.e. 4 Mbytes for 3" wide scan of 12" length
<b>workstation:</b>	>3.0 GHz industrial PC or rack-mount workstation, 2GB RAM, dual redundant 250 GB hard drives, CD-RW, DVD-R, 24" TFT LCD 1280x1024 400 NITS Flat panel display
<b>software:</b>	powerful software package including x-ray image acquisition/ enhancement/ measurement, scan manipulation, and image storage/ export. Real-time image scrolling feature.
<b>power:</b>	110-220 volts, 50-60 Hz, 120 watts total for workstation and scanner, operates on 12V battery with sine-wave inverter
<b>case:</b>	durable field case provided for storage of the scanner and cable. Optional cases for computer system available.

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