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## REVOLUTIONARY NEW MINI-TOOL HITS THE LRUT MARKETPLACE

Plant Integrity Ltd has just released the first product of its 2006 Development Programme - the Teletest "LATCH and FIRE" Mini-Test tool.

This radical design combines the latest light-weight engineering materials and latch design to provide a tool that is lightweight, easy to use and requires only 42mm clearance between the pipes. The use of the latest CAD design software has allowed improved coupling between the transducers and the pipe, maximising the amplitude of the signal. In addition, the transducers are now retractable, extending their lifetime.

The benefits of this tool over conventional fixed-tool designs include:

- Lightweight (75% weight reduction)
- Only 42mm clearance between pipes required
- 90% reduction in tool set-up time

The tool is available now for pipe diameters of 1.5" to 5" and supersedes the heavy fixed tools.

## TOOL SPECIFICATION

**Tool Description:** A lightweight, easy to use guided wave tool for use on small diameter piping in difficult to access areas.

**Minimum Access Requirements:** 42mm clearance between pipes, 230mm exposed length of pipe.

### Modules

**Wave Mode:** Torsional.

**Transducers:** 3 x Plant Integrity standard transducer in recessed mounting.

**Ring Quantity & Spacing:** 3 rings spaced 30mm.

**Operating Temperature:** Pipe Temperature: -30°C to +90°C.



Figure - 3" Mini-Tool assembly

**Material:** Laser Sintered, Metal Matrix Composite (MMC) with anodised aluminium mount pins.

### Collars.

**Sizing:** Available in sizes for 1.5", 2", 3", 4" & 5" diameter pipes conforming to ASME/ANSI B36.10.

**Material:** Carbon-Kevlar composite with integral Polyurethane Bladder.

**Operating Temperature:** Ambient Air Temperature: -30°C to +50°C.

**Operating Pressure:** 28 PSI.

Tool Size	Number of Modules	Tool Weight
2"	8 Modules	1.73kg (3.8lbs)
3"	12 Modules	2.53kg (5.6lbs)
4"	16 Modules	3.10kg (6.8lbs)

**Minimum Access Requirements:** 42mm clearance between pipes, 230mm exposed length of pipe

The complete set of collars and modules fit into one convenient carry-case with a total weight of 11.5kg to test 2", 3" and 4" pipe sizes

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