

## Introduction

The Bracelet Scanner is designed specifically for inspecting circumferential welds in small bore pipework. This manually operated belt type scanner is the ultimate scanning aid for phased array inspection of circumferential welds from 1.5" to 4" (38mm to 100mm).

It is extremely simple to set up and its low profile design makes it the perfect tool to use in areas with limited access.

The Bracelet Scanner, can be used in single sided scanning for pie to fitting setups, or dual sided configuration with two phased array transducers for butt welds and suitable fitting setups.



Figure 1 – Bracelet Scanner in a single sided inspection setup

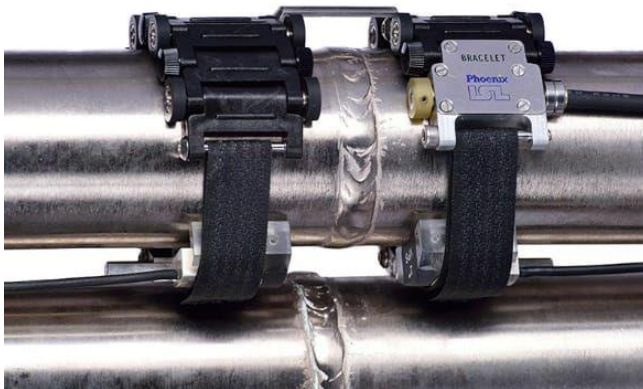


Figure 2 – Bracelet scanner in dual sided inspection setup

See the following suggested packages for a complete small bore weld inspection solution.

## Industries

- Chemical & Petrochemical Sector
- Oil & Gas Sector
- Nuclear Energy Sector
- NDT Service Providers

## Application

- Weld Inspection
- Asset integrity
- Flaw Detection and Evaluation

## Typical Parts

- Small bore piping
- Boiler tube wall welds
- Restricted access welds

## Inspection Techniques




- Phased Array L-Scan
- Phased Array S-Scan

## Features and Benefits




- Compact design for a 360° inspection
- Low profile probes suitable for close pitch small diameter tube inspections
- Integrated encoder and irrigation kit
- Wedge package to fit various OD diameters
- Additional links to fit a variety of pipe diameters.
- Ease of setup and use

For further information or support, please contact the Sonatest Applications Team: [applications@sonatest.com](mailto:applications@sonatest.com)

Recommended Tool Package Single sided setup

Category	Part #	Description
Acquisition Unit	VEO3 16:64	
Probe	X0A series probes, selection of the frequency on consultation	
Wedges	Wedges are included with the scanner.	Wedge AOD: 0.5", 0.75", 1", 1.25", 1.5", 2", 2.5", 3", 3.5", 4" and flat.
Scanner	PX-BRA-S-0.5" to 6"	
Irrigation pump	JX-CMA014 JX-1003 (Irrigation tube)	Portable Manual Couplant Pump - 7.9 litre (2.1 US gallon)

Recommended Tool Package dual sided setup

Category	Part #	Description
Acquisition Unit	VEO3 16:64	
Probe	X0A series probes, (x2)  selection of the frequency on consultation	
Wedges	Wedges are included with the scanner. (x2)	Wedge AOD: 0.5", 0.75", 1", 1.25", 1.5", 2", 2.5", 3", 3.5", 4" and flat.
PA Splitter	ADAP-005	32:32 IPEX connector splitter (Note ADAP-006 64:64 splitter will be required with a VEO 32:128 unit)
Scanner	PX-BRA-D-1.5" to 4"	
Irrigation pump	JX-CMA014 JX-1003 (Irrigation tube)	Portable Manual Couplant Pump - 7.9 litre (2.1 US gallon)

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Sonatest (Head Office)  
Dickens Road, Old  
Wolverton Milton Keynes,  
MK12 5QQ t: +44 (0)1908  
316345 e:  
sales@sonatest.com  
Sonatest

(North America)  
12775 Cogburn, San Antonio Texas,  
78249  
t: +1 (210) 697-0335 e:  
sales@sonatestinc.com