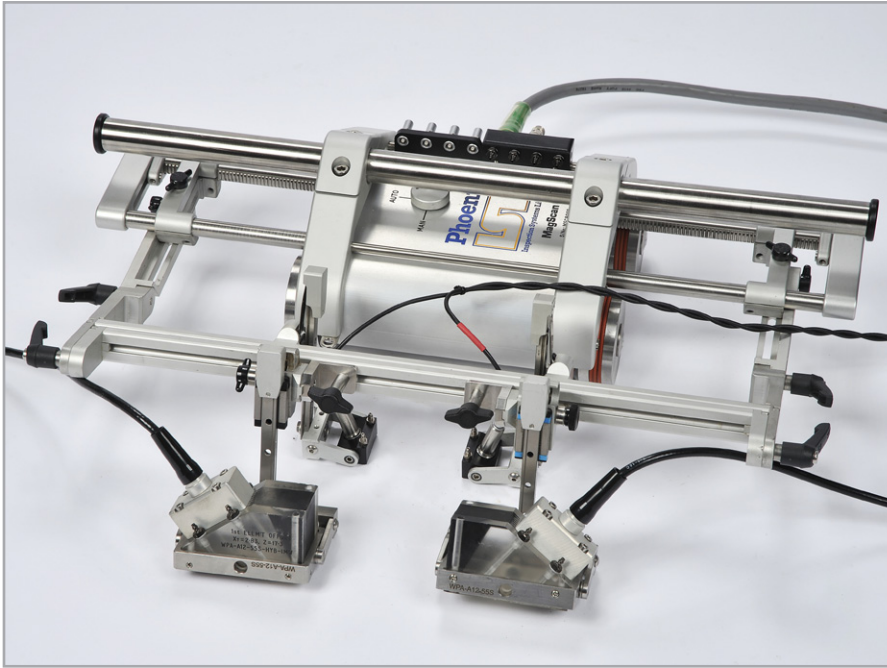


# MagScan

## Dual Axis Motorised Scanner



MagScan configured for Girth Weld Inspection



MagScan configured for ToFD inspection

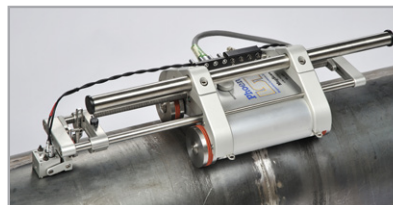
### Benefits

- Phased Array, Corrosion Mapping and TOFD assessment
- Two axes for raster scan inspection
- Cost-effective dual axis inspection
- Strong magnetic wheels allow for use on painted surfaces
- For use with any instrument or motor controller
- High speed inspection (up to 50mm/sec)
- Compact (227mm x 198mm x 126mm) and lightweight (5kg)
- Quick release probe adjustment
- Manual toggle switch enables quick setups

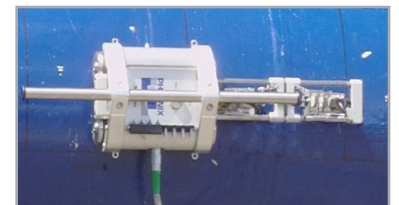
One of Phoenix's best selling scanners, the MagScan can be used on everything from flat plate to pipes as small as 4" O/D.

MagScan is the ideal tool for Corrosion Mapping as the dual-axis function allows for inspections such as raster scanning, also for testing pipe to elbow welds for inspections where TOFD, Pulse-Echo or Phased Array is being used to replace radiography.

The MagScan is fully encoded and holds up to 6 ultrasonic probes. Options available include the use of a chain guide, peristaltic pump and motor controller.



MagScan corrosion mapping on 10" OD pipe



MagScan Scanning on painted pipe using 2 off PA probes

# MagScan

## Features

- Holds up to 6 probes
- Simultaneous PA + TOFD inspection
- Probes independently sprung and gimballed
- Probes can be positioned to any PCS
- Operates in any orientation
- Pipe diameters from 4" O/D up to flat
- Integrated couplant and probe manifold
- Scanning arm adjustable up to 250mm
- Servo constant speed control
- Laser or chain guide option
- IP66 rated
- ASME code compliant
- Local motion control using MCPA2-2 or via PC Link software package
- PC Link allows choice of scan patterns, movement parameters, acceleration and speeds
- Can accommodate any manufacturers probes or wedges
- Mounting rails for ancillary equipment  
*e.g. TOFD pre-amp*

## MagScan Standard Kit

### Corrosion Mapping Package

- 1 x MagScan with rubber plate (incl. irrigation tubing and Y pieces)
- 1 x 10m power umbilical cable
- 1 x Trombone extension arm
- 1 x low profile TOFD toolpost
- 1 x toolpost clamp
- 1 x ATC 4/10 4MHz, 10mm Ø twin crystal probe
- 1 x 10m Twin Lemo 00 - Lemo 00 UT cable
- 1 x MCPA (unless being used with TD Focus Scan)

### TOFD Inspection Package

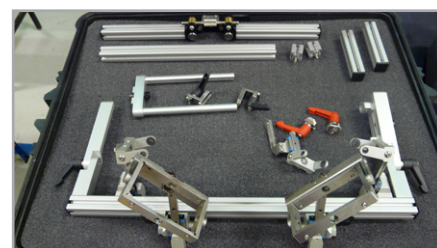
- 1 x MagScan with rubber plate (incl. irrigation tubing and Y pieces)
- 1 x 10m power umbilical cable
- 1 x Front mounting rail
- 2 x Standard 30x30mm TOFD toolposts
- 1 x 10m Twin Lemo 00 - Lemo 00 UT cable
- 1 x MCPA

### Phased Array Inspection Package

- 1 x MagScan with rubber plate (incl. irrigation tubing and Y pieces)
- 1 x 10m power umbilical cable
- 1 x Front mounting rail
- 2 x Phased Array toolposts
- 1 x MCPA

### TOFD & Phased Array Inspection Package

- 1 x MagScan with rubber plate (incl. irrigation tubing and Y pieces)
- 1 x 10m power umbilical cable
- 1 x Front mounting rail
- 2 x Standard 30x30mm TOFD toolposts
- 1 x 10m Twin Lemo 00 - Lemo 00 UT cable
- 2 x Phased Array toolposts
- 1 x MCPA



## Accessories

- HIC Adapter
- Trombone extension arm
- Guide Chain
- Peristaltic pump
- Low profile 30x30mm TOFD toolpost
- Standard 30x30mm TOFD toolpost
- Phased Array toolpost