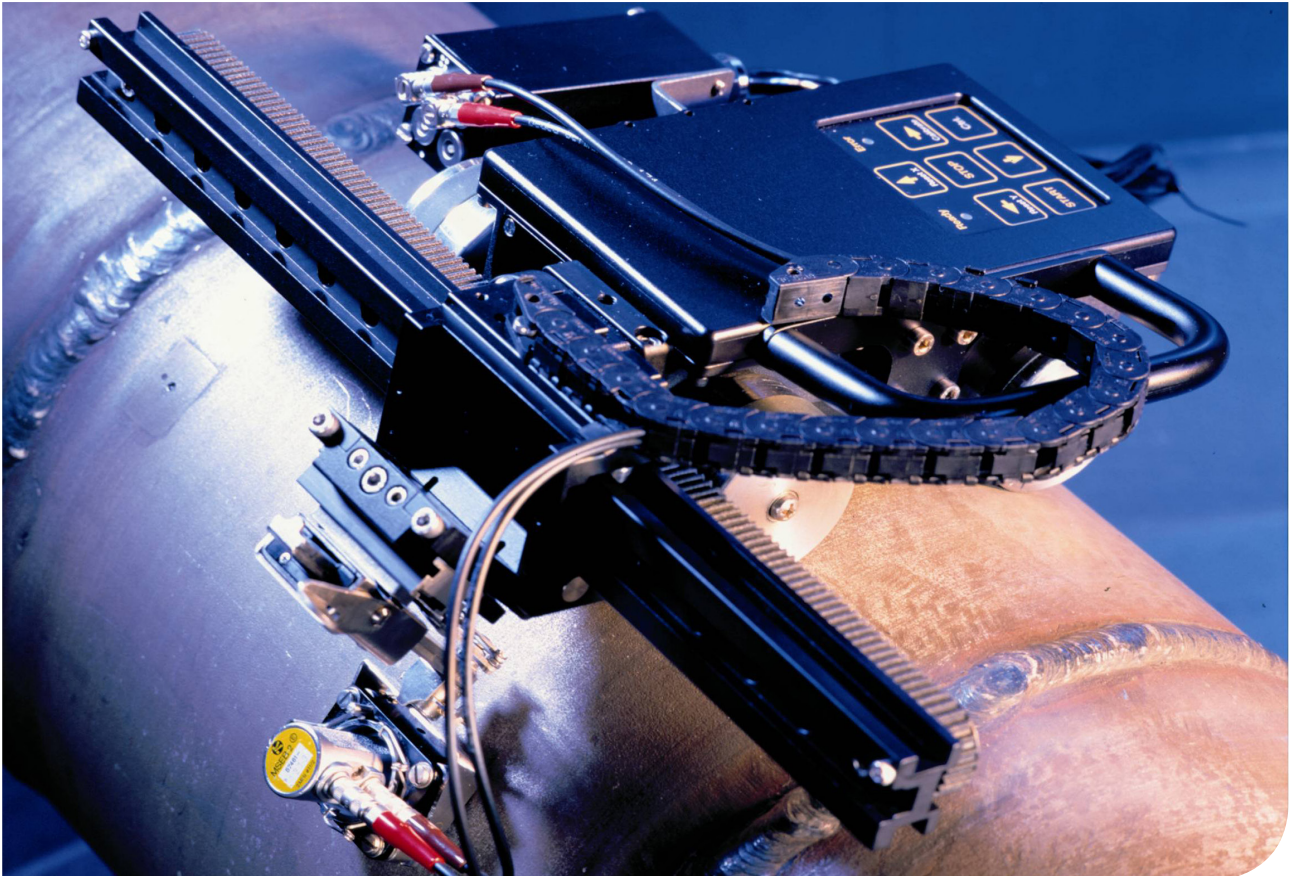


## AUS-3

– Automatic magnetic wheel scanner for pipe inspection



The AUS-3 scanner is a small, rugged magnetic wheel XY scanner primarily designed for pipe inspection.

### Design features

The AUS-3 scanner is designed with special attention to:

- Small size and light weight for easy transportation and set-up
- Operation by one operator
- Inspection of ferritic pipes from OD 40 mm
- Scanner body with integrated control panel for easy scanner operation
- Optimized for battery operation with the P-scan 4 Lite
- Scanner body can be used as motor unit for other scanner types.

### System application

These features make the scanner ideal for areas where a simple scanner with fast and easy mounting and operation is required:

- Key point corrosion mapping (T-scan) on offshore and petrochemical installations
- Weld inspection (P-scan) of pipes with diameter down to OD 40 mm
- TOFD defect sizing.

## Mechanical design

The AUS-3 is built using a general purpose scanner body with two integrated gear motors, motor driver and control electronics for interface to P-scan System 4 or the P-scan Stack System.

The Y-module can easily be clamped to the standard output coupling on the front of the scanner body. The four magnetic wheels are bolted directly to the output couplings on the side of the scanner body.

The two front wheels are driven and the two rear wheels drive the integrated incremental encoder. A control panel for operating scanner and start/stop of scanning is placed on top of the scanner body.



General purpose scanner body.

## Specifications

<b>Interface</b>	Scanner control	Direct interface to P-scan System 4 or the P-scan Stack System without additional hardware
<b>Speed</b>	X-direction Y-direction	0 - 30 mm/sec 0 - 110 mm/sec
<b>Y stroke</b>	Standard Y-module rail	0 - 280 mm
<b>Pipe diameter</b>	Standard wheels With large rear wheels	from OD 70 mm from OD 40 mm
<b>Safety</b>	Emergency switch	Rear mounted push-button. Breaks motor power
<b>Physical specifications</b>	Weight (with Y-module) Dimensions (with Y-module) Dimensions (scanner body) Environmental protection	4.0 kg 350 x 345 x 67 mm 135 x 245 x 67 mm IEC Class IP 55 (protected against dust and water jets)
<b>Options</b>	<ul style="list-style-type: none"><li>• Sleeves for operating scanner on non-ferritic pipes</li><li>• Curved Y-module rails with radius from R150 mm</li><li>• Chain guide with stainless steel chain</li><li>• Track transmission or belt transmission for operating scanner on non-magnetic components.</li></ul>	

## Further information

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