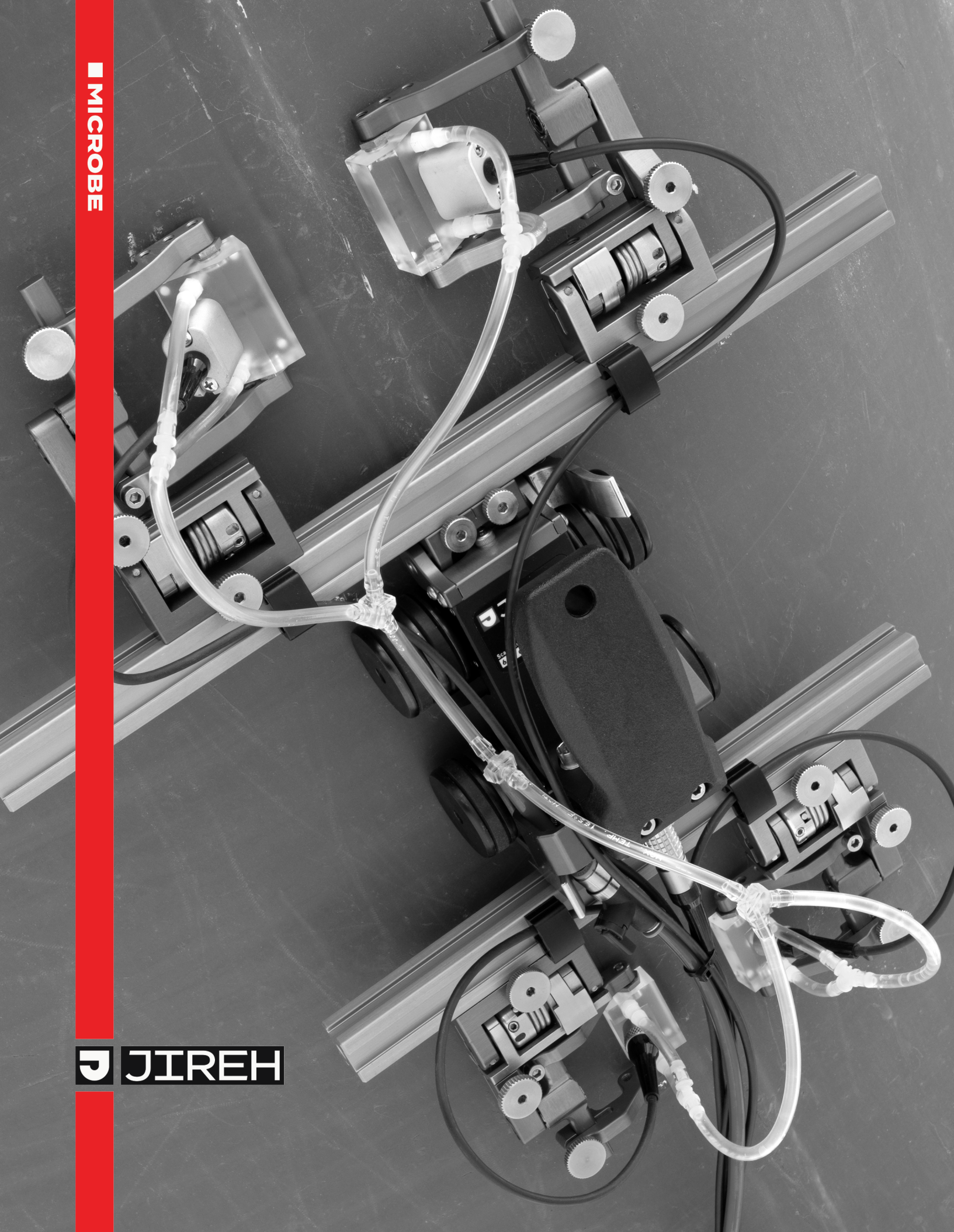


■ MICROBE



J JIREH

FEATURES

Endless Possibilities

- Customize your setup with additional magnetic wheels, probe holders, and alternate frame bars to perfectly suit your inspection needs.

Built-In Positional Encoding

- The MICROBE's integrated positional encoder is compatible with standard instruments, enabling seamless integration and compatibility across applications.

Magnetic Wheels

- Magnetic wheels adhere the scanner to ferrous surfaces. These wheels are also designed to be stackable, allowing for increased magnetic attraction when necessary.

Brake

- Lock your scanner in place with the convenient built-in brake.

PAUT and TOFD Inspection

- Low-profile slip joint probe holders adapt to most probe types and ensure optimal alignment for accurate inspections.

Modular Capabilities

- Expand the MICROBE capabilities converting the system to a ROTIX scanner for non-ferrous inspection.

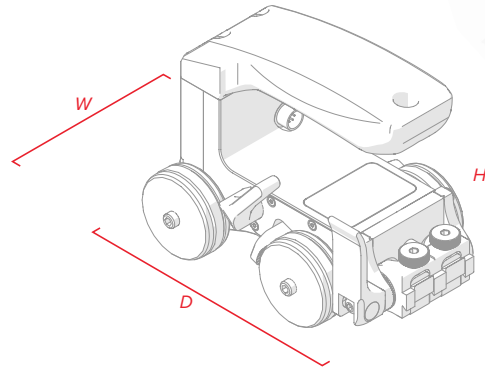
WEIGHT AND DIMENSIONS

Cart Weight

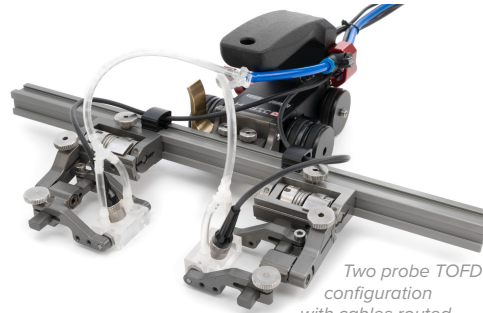
- 0.78 kg (1.7 lb)

Cart Dimensions (4 magnetic wheels)

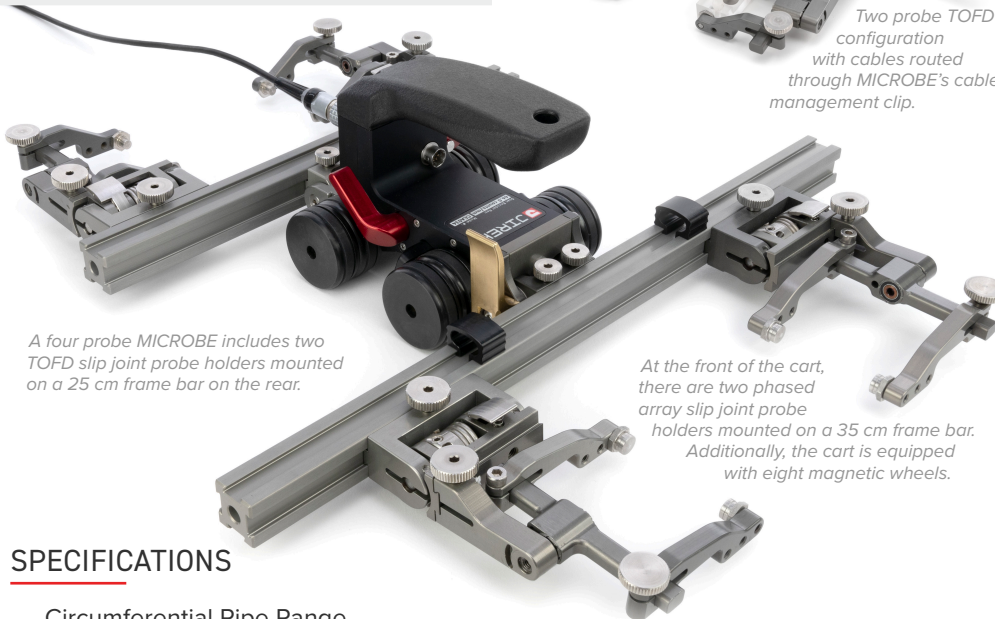
- Width: 8 cm (3.2 in)
- Height: 9.8 cm (3.8 in)
- Depth: 14.4 cm (5.7 in)



Dimensions of a one or two probe MICROBE with 4 wheels



Two probe TOFD configuration with cables routed through MICROBE's cable management clip.



A four probe MICROBE includes two TOFD slip joint probe holders mounted on a 25 cm frame bar on the rear.

At the front of the cart, there are two phased array slip joint probe holders mounted on a 35 cm frame bar. Additionally, the cart is equipped with eight magnetic wheels.



Magnetic wheels allow inverted inspection

ACCESSORIES

Manual Couplant Pump

- 7.9 litre (2.1 U.S. gal) couplant pump.

Battery Powered Optical Guide

- Employ this visual cue to follow welds with ease.

Magnetic Wheel Kit

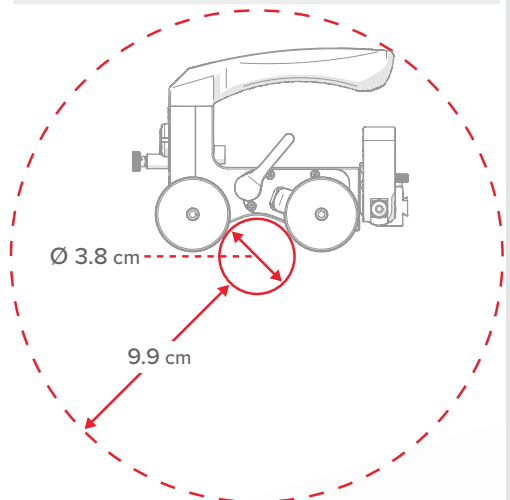
- Increase the scanner's magnetic attraction with additional wheels.

MICROBE to ROTIX Conversion Kit

- Add non-ferrous inspections to the capabilities of the MICROBE with a conversion kit.

Preamp Bracket

- Mount peripherals to the scanner.



Radial Clearance with one or two probes

SPECIFICATIONS

Circumferential Pipe Range

- 2 Probes: 3.8 cm (1.5 in) to flat surface
- 4 Probes: 7.6 cm (3 in) to flat surface

Longitudinal Pipe Range

- 7.6 cm (3 in) to flat surface

Circumferential Inner Pipe Range

- 152.4 cm (60 in) minimum

Encoder Resolution

- 66.0 counts/mm (1676.3 counts/inch)

Encoder Cable Length

- 5 m (16.4 ft)'

Inspection Surface

- Ferrous

ENVIRONMENTAL SPECIFICATIONS

Operating Environment

- -20°C (-4°F) to 50°C (122°F)

Environmental Sealing

- Dust-tight, watertight (not submersible)

1. Custom encoder cable lengths are available. Technical specifications subject to change.

MICROBE configured for single probe phased array weld inspection

