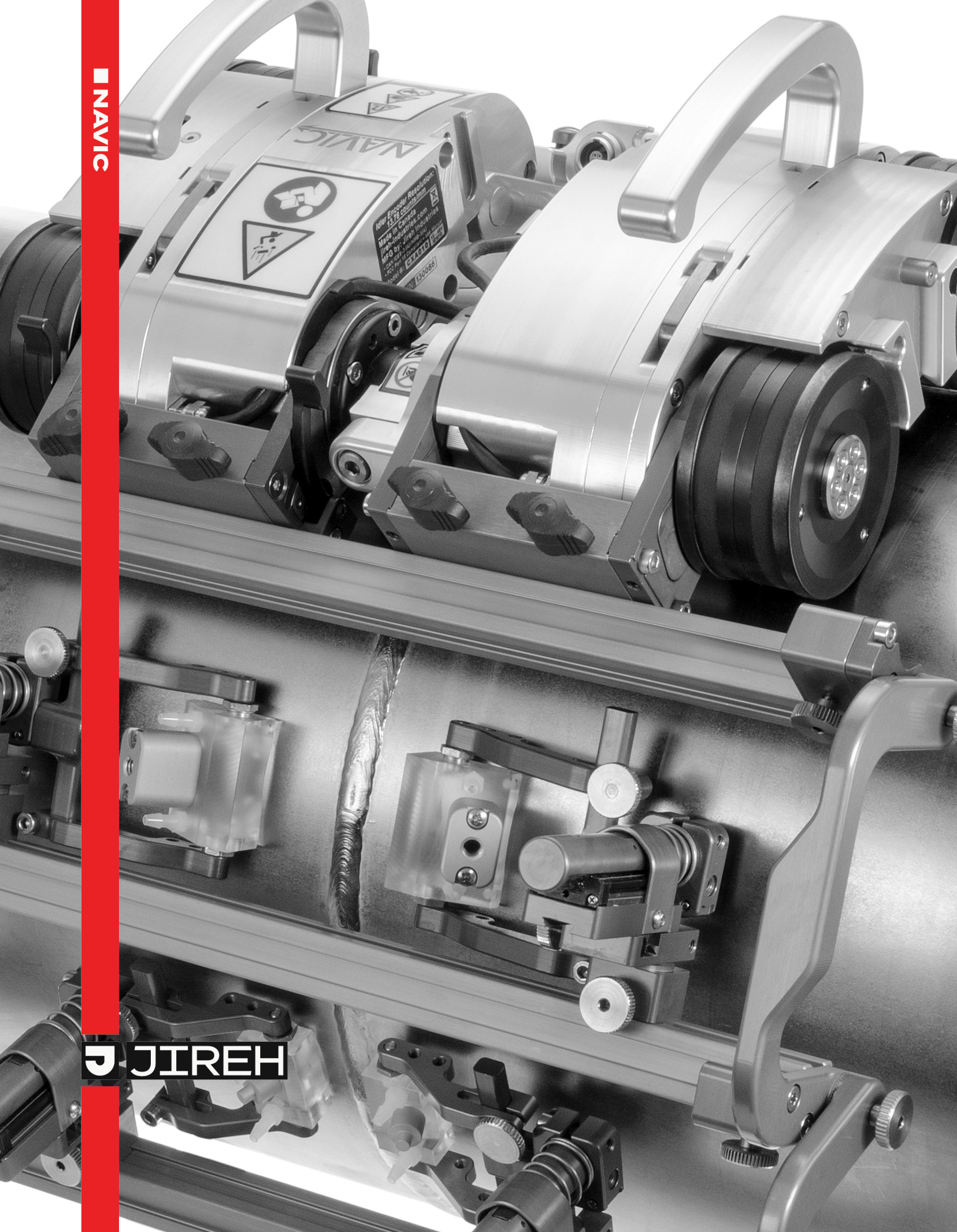
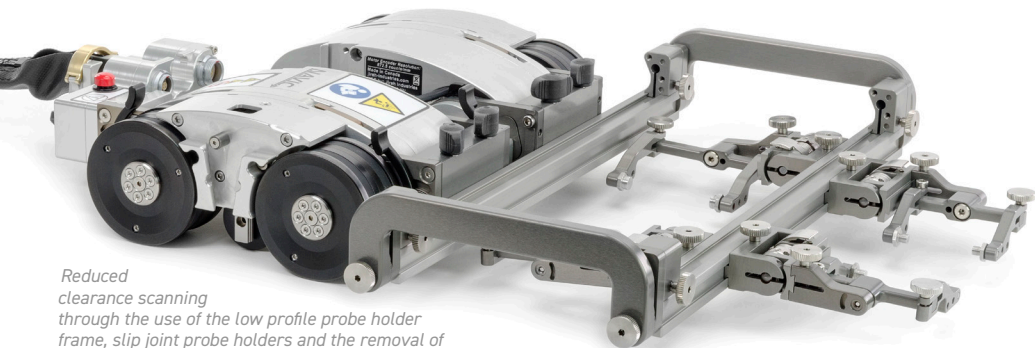


NAVIC

J JIREH







Reduced clearance scanning through the use of the low profile probe holder frame, slip joint probe holders and the removal of the crawler handles.

## Features

### Low Profile Design

- Radial clearance of 7 cm (2.75 in)<sup>1</sup> and 8.15 cm (3.2 in) on pipes over 20 cm (8 in) OD.

### Steerable

- The hand-held controller offers variable drive speed and steering control.

### Magnetic Wheels

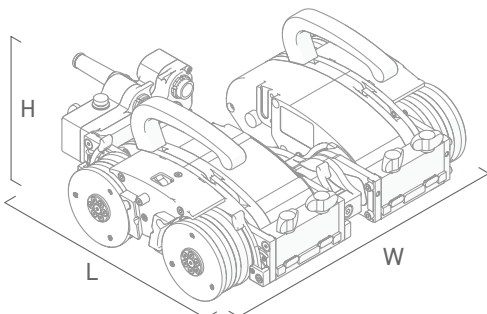
- Operate on vertical, horizontal and inverted surfaces.

### Scan Versatility

- Circumferential scanning on pipes as small as 7 cm (2.75 in) OD.

### Remote Control

- Ergonomic hand-held controller includes programming of raster patterns, drive paths and diagnostics.



## Weight and Dimensions

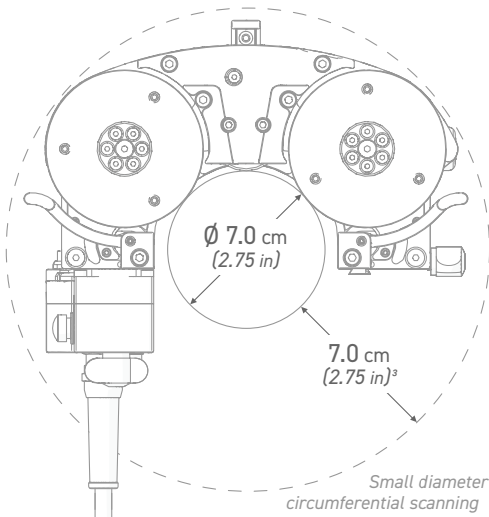
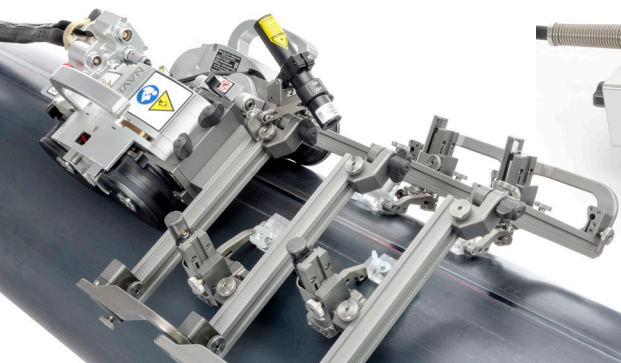
### Crawler Weight

- 7.7 kg (17 lb)<sup>2</sup>

### Crawler Dimensions

- Height: 12.5 cm (4.9 in)
- Height<sup>3</sup>: 8.1 cm (3.2 in)
- Width: 28.2 cm (11.1 in)
- Length<sup>4</sup>: 30.8 cm (12.1 in)

Longseam configuration consisting of pivoting probe holder frame and a battery powered laser



## Specifications

### Circumferential Pipe Range

- 7 cm (2.75 in) OD to flat

### Longitudinal Pipe Range

- 30.5 cm (12 in) OD to flat

### Internal, Circumferential Pipe Range

- 61 cm (24 in) ID to flat

### Idler Encoder (Right Module)

- 13.78 counts/mm (349.9 counts/inch)

### Motor Encoder (Left Module)

- 872.5 counts/mm (22162.8 counts/inch)

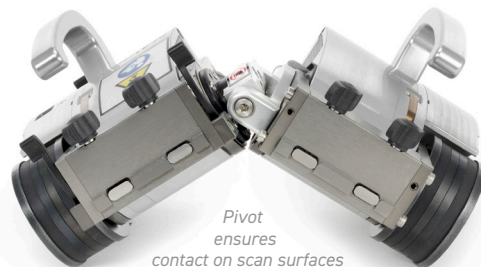
### Driving Speed

- Variable 0-25 cm/sec (0-10 in/sec)

### Crawler's Vertical Payload

- 10 kg (22 lb)

Motorized raster arm fitted with a corrosion thickness probe holder mounted to Navic crawler



Pivot ensures contact on scan surfaces

## Accessories

### Vertical Probe Holder Frame

- Weld scanning capability

### Motorized Raster Arm

- Two-axis automated corrosion scanning

### Backpack<sup>5</sup>

- Carry equipment

### Cable Management

- Protect cables and hoses

### Motorized Couplant Pump

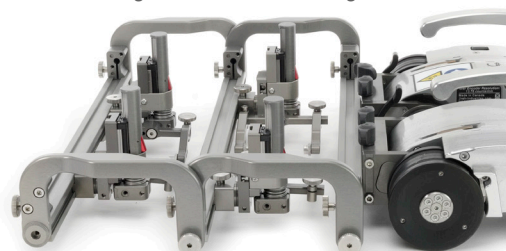
- Consistent couplant supply

### Battery Powered Laser

- Guide crawler along welds

### Pivoting Probe Holder Frame

- Longitudinal weld scanning



Vertical probe holder frame is ideal for circumferential weld inspection

## Environmental Specifications

### Operating Environment

- 20°C (-4°F) to 50°C (122°F)

### Environmental Sealing

- Dust tight, water tight<sup>6</sup>

1. Clearance on pipes under 200 mm (8 in) OD.
2. Crawler weight excludes umbilical.
3. Handles removed
4. Length of unit includes umbilical strain relief.
5. Not compatible with previous generation Navic iterations.
6. Not submersible.