



## ROTIX - Chain Weld Scanner Kit



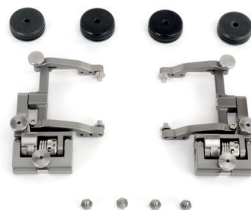
### Description

This ROTIX - Chain WELD Scanner KIT is designed to provide encoded position of probes circumferentially around piping for weld inspection on ferrous or non-ferrous inspection surfaces. It is completely configurable for both phased array, TOFD, and conventional UT with single or multiple probes. Since this package includes a set of 8 magnetic wheels, this scanner can also perform inspection without the chain on ferrous materials like a standard magnetic scanner.

Any Sonatest Phased Array and TOFD wedges can be accommodated and the integrated latch allows easy PCS (Probe Center Spacing) adjustment and scanner installation. A park brake is provided to hold the scanner in any desired location. All the wheels are coated with urethane to prevent foreign debris from hindering smooth rolling of the scanner.

The ROTIX package includes a spring loaded encoder module to ensure accurate positioning. The encoder output is fully compatible with Sonatest instruments.

Ultimately, this scanner is very similar to the STIX Upgradable Weld Scanner offered by Sonatest with the differential that it has most of the STIX upgrade options and it is packaged into one large case for a cost efficient and versatile magnetic and/or pipe chain scanner solution.



**Simplicity | Capability | Reliability**

## Benefits

- **Adjustable Chain:** Using two link lengths and an adjustable buckle, any size of pipe can be inspected from 152.4mm – 965.2 mm (6 in – 38 in) diameter. Links are designed with quick releases to easily be added or removed.
- **Double Wheel Chain:** A double wheel chain is used to straddle the weld. This allows the scanner frame to be centered on the weld to reduce wandering and reduce the width of the scanner.
- **Probe Holders:** An integrated latch allows easy probe center spacing adjustment and scanner installation. Due to its modular design most major types of phased array wedges can be accommodated.
- **Wheels:** All wheels are coated with urethane to reduce the effects of foreign debris obstructing the rolling of the scanner. Urethane also eliminates the sideways sliding of the scanner when used in vertical applications.
- **Brake system:** A brake is provided to lock the location of the scanner in a required position.
- **Built in Encoder:** The encoder output is fully compatible with all standard instruments.
- **Environmental Sealing:** The scanner is sealed using O-ring gaskets and seals to protect against the penetration of contaminants into the unit.

## Specifications

- **Pipe Range:** 152.4 mm – 965.2 mm (6 in – 38 in)
- **Encoder Resolution:** 9.05 steps/mm (5V DC TTL encoder compatible with Sonatest instruments)
- **Probe Holding Capacity:** 4 TOFD and/or 4 Phased-Array wedges
- **Encoder Cable Length:** 5 m (16 ft)
- **Inspection Surface:** Ferrous or Non-Ferrous materials

## Standard Kit Content (JX-KIT-4-12 /24/38)

- 40cm (15.7in) Bar
- 8 magnetic wheels
- 4 Rubber wheels
- 4 wide yokes for PA or TOFD wedges
- 4 standard arm sets
- 4 short arm sets
- Wedge buttons
- Encoder (5m)
- Tool and spare kit
- Chain links & Wheels kit (option)

## Accessories

- Probe & Wedges – Refer to Sonatest transducer catalogue
- JX-1003 – Irrigation kit (tubes and fittings)
- ASM-9037-WPUMP – Portable Electric Pump Unit
- JX-CMA013 – Portable Manual Couplant Pump – 2 gallons
- JX-CMA014 – Portable Manual Couplant Pump – 3 gallons

## Related Product



Veo+ (Multiscan)

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