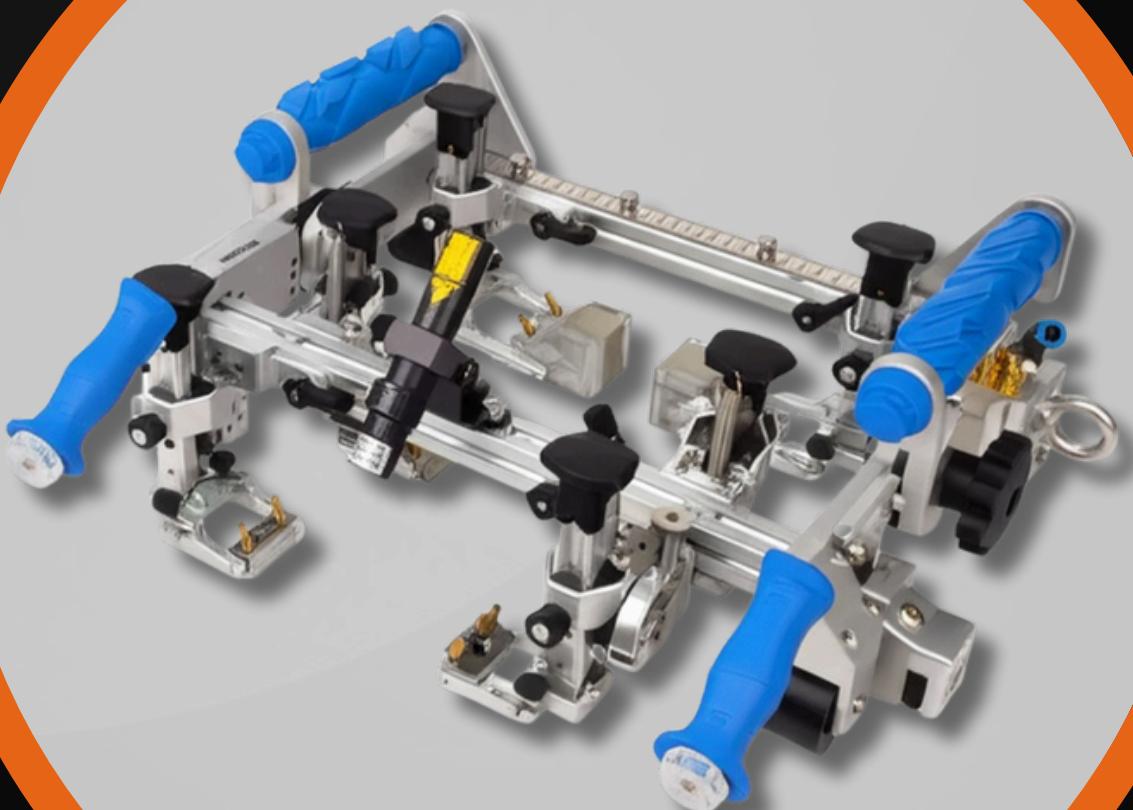


SCANNERS

Advanced Tube Inspection scanners



INTRODUCTION

UCOMAX specializes in the design and manufacturing of manual and automated scanners used in non-destructive testing (NDT) across the oil & gas, power generation, and aerospace industries. Headquartered in Vadodara, Gujarat, India, UCOMAX has steadily expanded its global presence, providing advanced solutions to clients around the world.

With a robust lineup of scanners designed for inspecting pipes, tanks, vessels, boiler tubes, and other critical infrastructure, UCOMAX delivers high-performance tools trusted by industry professionals. By integrating all operations—including design, engineering, manufacturing, assembly, and shipping—under one roof, UCOMAX ensures seamless workflow, product consistency, and rapid delivery.

OUR CORE CAPABILITIES

Design: Every product at UCOMAX is created with the end user in mind, ensuring ease of use, reliability, and exceptional value.

Engineering: Close collaboration between the engineering and manufacturing teams enables fast prototyping and continuous product improvement.

Manufacturing: A wide range of manual and automated equipment empowers UCOMAX to manufacture even the most complex components in-house.

Assembly: Streamlined processes and rigorous quality checks ensure every product is assembled to the highest standard.

Packaging & Shipping: Secure packaging and efficient logistics ensure that every product reaches its destination safely and in optimal condition.

From concept to completion, UCOMAX is committed to innovation, quality, and customer satisfaction, proudly serving clients both in India and across international markets.

ROBOTIC SCANNERS:

PROTRACK SCANNER

The PROTRACK and PROTRACK-E Scanner are compact, motorized crawler designed to perform remote weld and corrosion inspections on pipes, tanks, and other large steel surfaces. It uses magnetic wheels to stay firmly attached to the inspection surface and can operate in horizontal, vertical, or inverted positions. Controlled from a handheld remote, the PROTRACK allows operators to carry out precise, repeatable scans from a safe distance. Its modular design supports various inspection setups, including weld scanning with multiple probes or corrosion mapping with optional accessories. PROTRACK comes in two models namely PROTRACK which runs on Standard Electricity and PROTRACK-E which has a in-built battery. Both are easy to transport and quick to deploy, the PROTRACK is well suited for field inspections in challenging industrial environments.

- Steerable crawler operated remotely for safe, precise inspections
- Magnetic wheels ensure secure attachment on steel surfaces
- PROTRACK can circumnavigate pipes as small as 7 cm (2.75 in) OD while only requiring 7 cm (2.75 in) of radial clearance when low-profile scanning is needed.
- Suitable for horizontal, vertical, or overhead scanning
- Supports multiple probes for weld and corrosion inspections
- Modular design with optional accessories for different applications
- Compact and portable for easy transport and quick setup



MANUAL SCANNERS:

UCO LS SCANNER

The UCO LS Scanner is a manual scanning tool developed for the inspection of long seam welds on large-diameter pipes and vessels. It provides a stable and consistent platform for ultrasonic probes, allowing operators to collect accurate data while maintaining smooth movement along the length of the weld. Its adjustable design makes it suitable for various pipe sizes and different inspection requirements, while the robust frame ensures durability in a range of working conditions. The scanner is lightweight and simple to set up, making it practical for both field and workshop use.

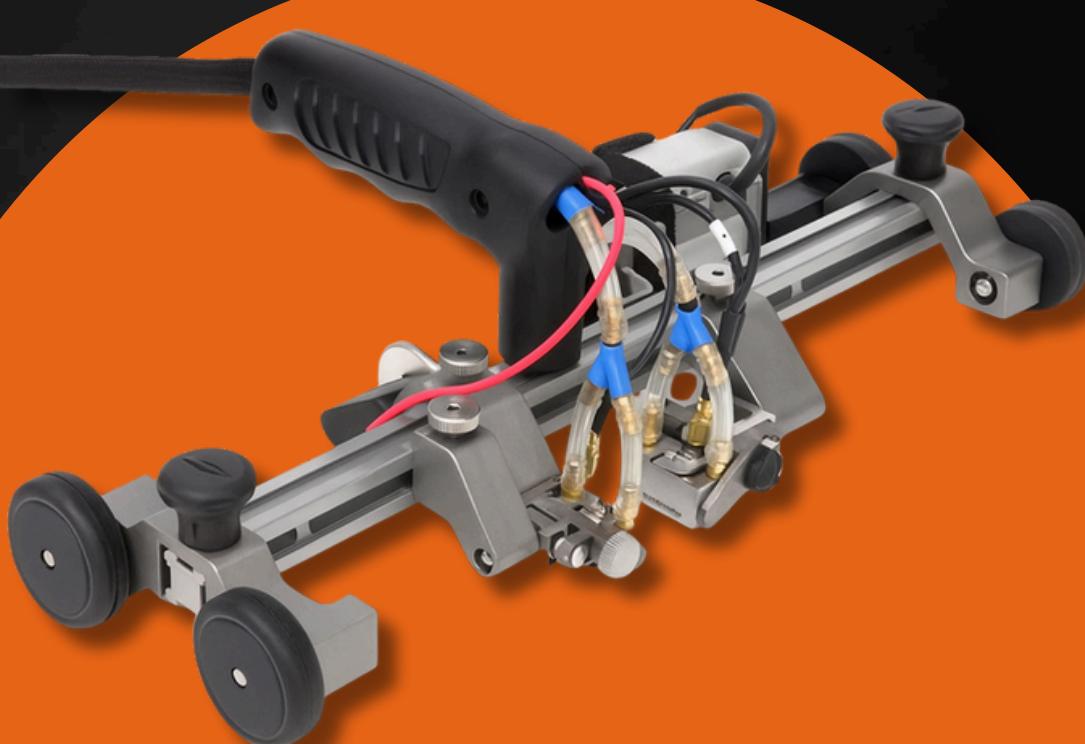
- Accommodates up to two ultrasonic probes for simultaneous inspection
- Manual scanner with integrated wheels for smooth, controlled travel along weld seams for inspecting long seam welds on large-diameter pipes (18 in / 457 mm and above)
- Adjustable probe holders for different pipe diameters and inspection angles
- Corrosion-resistant construction suitable for outdoor and industrial environments
- Compatible with encoder options for positional data if required
- Quick and straightforward to assemble and adjust without special tools
- Compact and lightweight for easy handling and transport



UCO LITE SCANNER

The UCO Lite Scanner is a compact manual scanner specifically designed for Time of Flight Diffraction (TOFD) weld inspection on pipes and flat ferromagnetic surfaces. It provides a stable scanning platform for two ultrasonic probes, ensuring reliable data collection during circumferential or flat surface scans. The scanner attaches securely to the surface using magnetic wheels, allowing steady and controlled movement even when working in inverted or tight positions. Its lightweight aluminum frame and simple adjustments make it practical for field use, easy to transport, and quick to set up without the need for specialized tools. The UCO Lite supports accurate and repeatable inspections while helping operators maintain consistent probe alignment and cable management throughout the scanning process.

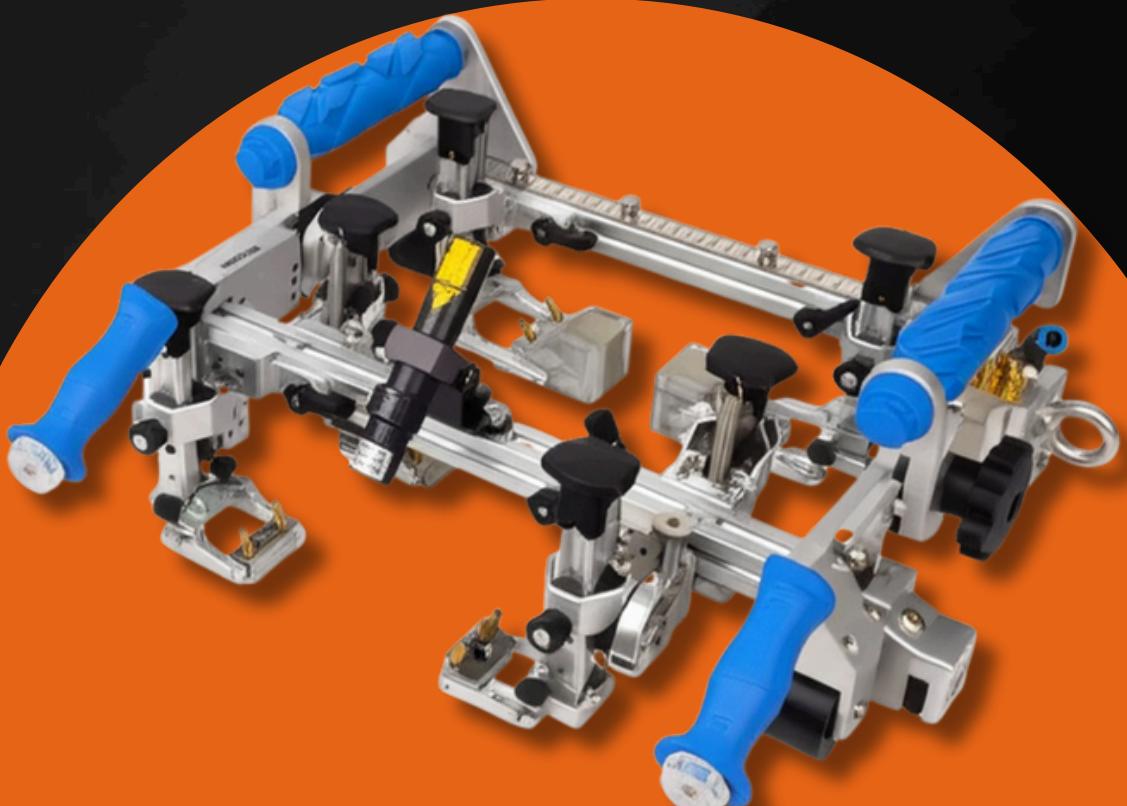
- Supports two TOFD probes for circumferential or flat weld inspections on pipes 4.5 in. (114.3 mm) OD, or greater.
- Four magnetic wheels provide secure surface attachment and smooth movement
- Lightweight and easy to handle in different positions
- Tool-free, spring-loaded probe arms for quick adjustments and spring-loaded encoder with 9 step/mm resolution.
- Removable handle for better access in confined spaces
- Built-in cable management keeps probe and irrigation lines organized
- Clear markings allow precise probe separation and alignment
- Supplied with frame, wheels, encoder, probe arms, and carrying case (probes and wedges are optional)



UCO FLEX SCANNER

The UCO Flex is a manual, one-axis encoded scanner designed for inspecting circumferential welds on pipes and flat surfaces. Its hinged, flexible frame adapts to pipe diameters starting from 114 mm (4.5 inches) and larger, providing stable and consistent probe contact for accurate ultrasonic testing. The adjustable frame grips the pipe securely, while spring-loaded probe arms maintain proper pressure to achieve clear, repeatable inspection results. Magnetic wheels help the scanner stay firmly attached to ferromagnetic surfaces, allowing smooth manual movement around the weld. The scanner can be configured with up to eight probes for phased array, pulse-echo, or TOFD inspections, making it suitable for various inspection needs in standard or tight spaces.

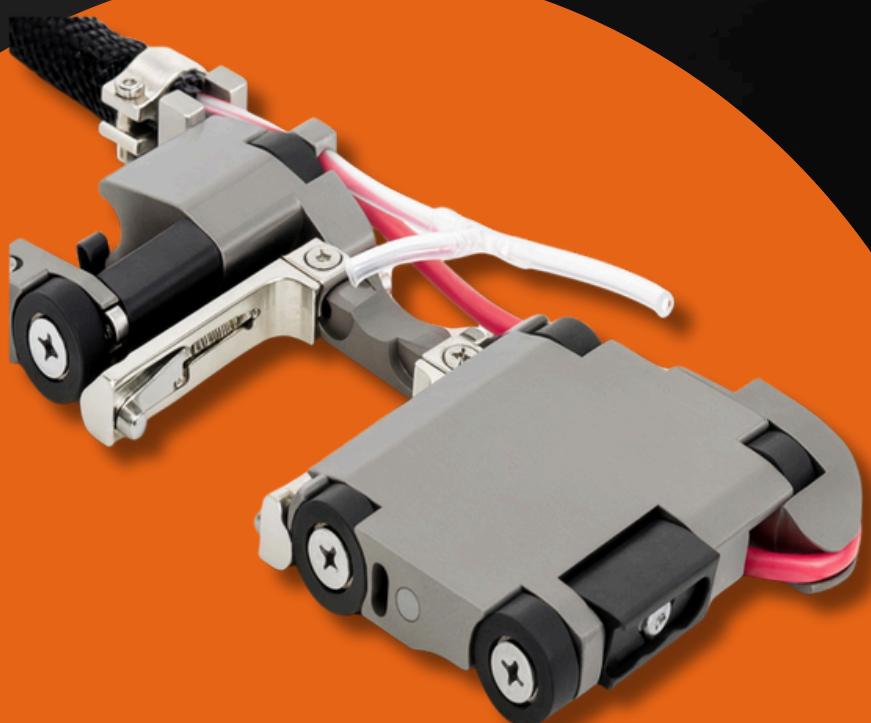
- Fits pipes with diameters of 114 mm (4.5 inches) and larger
- Hinged frame design adjusts to different pipe sizes
- Holds four probes as standard, expandable up to eight
- Magnetic wheels ensure stable scanning on steel surfaces
- Waterproof spring-loaded encoder provides a 12 step/mm resolution
- Slidable side frame helps reach tight or obstructed areas
- Built-in encoder for position tracking
- Integrated rulers and water manifold for consistent probe setup
- Lightweight construction with removable handles for easy handling and transport



ORBIT SCANNER

The ORBIT Scanner is a compact manual scanner designed for inspecting circumferential welds on small-diameter pipes and tubes where space is limited. Its low-profile design makes it practical for tight access areas while providing smooth and steady scanning around the weld. The scanner can hold one or two probes depending on inspection needs and works on both ferrous and non-ferrous surfaces. With simple adjustments and a lightweight build, the ORBIT is easy to handle, quick to set up, and reliable for routine inspections in the field or workshop.

- Fits small pipes and tubes with diameters from about 21 mm to 114 mm
- Low clearance height of 11mm, ideal for areas with tight space around the pipe
- Can be used with one or two probes for weld scanning
- Smooth travel with durable wheels for steady scanning
- Simple link system adjusts to different pipe sizes without tools
- Encoder included for position tracking if required
- Lightweight and easy to transport
- Works reliably on various pipe materials
- Practical for everyday use in industrial inspection work





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