

Gyro

Rotary Axis Scanner



Gyro - Rotary Axis Scanner

Gyro is a versatile single encoded, rotary axis manual scanner for C-Scan inspection.

The highly adaptable design allows the rugged rotary scanning platform to attach to the ends of studs, bolts, pins and pipes via interchangeable jaws, covering a wide range of applications.

Benefits

- **Versatile** solution for use on a wide range of component diameters, shapes and pipes
- **Fast Set-Up** - Allows for quick changes between component sizes with a simple adjustment
- **Ergonomic** design for ease of use by operator
- **Cost effective** solution for inspections on both components and pipes
- **User-friendly** - Inspections can be carried out by just one operator
- **Customisable** - Automated and dual axis design options available
- **Compatible** with industry standard instrumentation

Applications

Typical applications for Gyro include:

- **Oil & Gas** -
Stud, Bolt, Pin and Pipe Inspection
- **Nuclear and Power Generation** -
Stud, Bolt, Pin and Pipe Inspection

Gyro can be supplied with a range of clamping jaws to securely fit to either the inside diameter (ID) or outside diameter (OD) of components of varying shapes and sizes or pipes for application-specific inspections.

Gyro's scanning platform mounts to the scanner body and houses a phased array probe and automated UT probe on adjustable toolpost rails. An integrated high resolution, non-slip encoder allows the operator to accurately position the sensor bay on and around the end of the inspection site and rotate the platform with a smooth scanning motion to produce C-scan inspections.

Robust and ergonomic in design and materials, Gyro can be operated by just one inspection engineer and is compatible with any industry standard instrumentation.

A versatile scanning solution for operators in the Oil & Gas, Nuclear and Power Generation industries.

Features

- Interchangeable locking jaw units
- High resolution waterproof encoder. IP68 rated. (150.3 steps per degree)
- Single axis encoder (can be modified for dual axis encoding)
- Toolpost rails accommodate upto two ultrasonic transducers
- Transducers can be adjusted along the centreline
- All aluminium components hard anodised
- Robust, hard wearing components for use in plant environments



- Two in-built scales for inspection set-up
- Tethered and captive parts (where practicable) to support onsite safety
- Payload: Variable per application
- Weight: 5kg
- Scanner dimensions (mm): L 400 x H 100 x W 225

Accessories

- Additional Jaw profiles
- AE-CDS Couplant Delivery System



Gyro Kit

- 1 x Gyro Scanner Body
- 1 x Gyro Scanning Platform
- 2 x Standard Removeable Jaws
- 1 x High-resolution Encoder
- 1 x Conventional Toolpost
- 1 x Phased Array Toolpost
- 1 x User Manual
- 1 x Rugged Carry Case



Order Information

AE-SCAN-GYRO1

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