Automatic General Purpose Scanner

AGS-2

The AGS-2 is a steerable, general purpose magnetic wheel XY scanner. It is primarily designed for remote controlled weld inspection and corrosion mapping of ferritic pipes, large structures and areas with difficult access.

Features
- Use of standard modular scanner components
- High X and Y speed operation
- Geometrical flexibility
- Curved Y-modules is available as option for longitudinal inspection of pipes
- Steerable by means of a remote control
- Automatic tracking by means of optional inclinometer
- Guiding by means of magnetic guide strip and optional analog guide/proximity sensors.

Applications
The AGS-2 is very versatile, robust and stable and ideal where high speed, long Y-stroke and several probes are required:
- Key point corrosion mapping on offshore/petrochemical installations
- Inspection of components in nuclear installations.
- Production control of special components
- Large vessels/spheres with no need of expensive scaffolding
- Pipes external/internal for inspection of circumferential, longitudinal or helical welds and for corrosion mapping.
**Mechanical Design**

The AGS-2 is designed with use of modular components that makes it possible to configure the scanner according to the actual requirements.

**Technical Specifications for AGS-2**

**Velocities**
- X direction: 0 - 70 mm/s
- Y direction: 0 - 200 mm/s

**Object Dimensions** (depending on Y-module)
- Min. OD (Circumferential drive): 75 mm
- Min. OD (Longitudinal drive): 150 mm
- Min. OD (Helical drive): 400 mm
- Min. ID (Circumferential drive): 450 mm
- Min. ID (Longitudinal drive): 450 mm
- Maximum dimensions: Plane surface

**Physical Specifications**
- Width x length x height: 406 x 384 x 110 mm
- Weight: 12.0 kg

**Options**
- Y-module in different length
- Curved Y-modules
- Angle sensor
- Wheels for hot surfaces
- Conversion kit to AGS-1
- Probe lifting system.