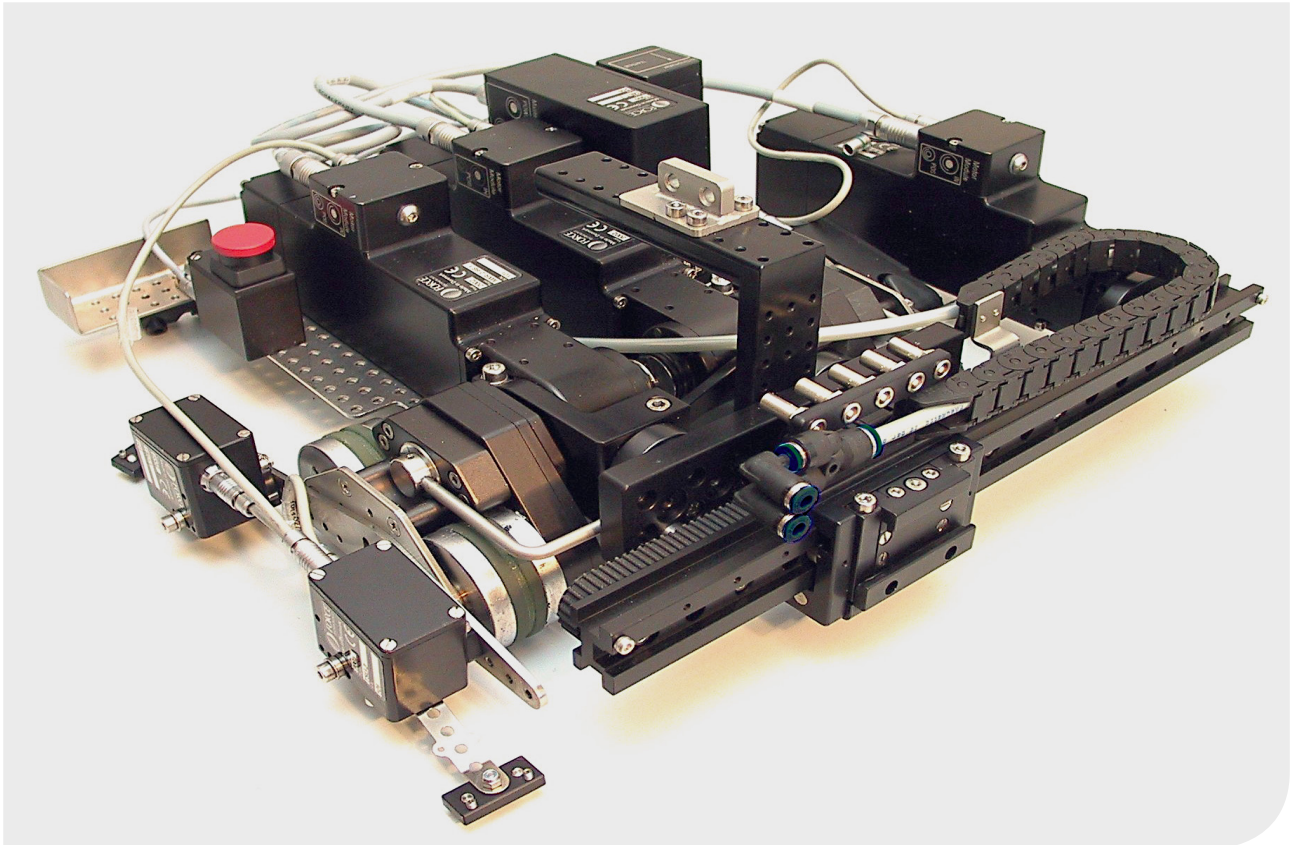


AGS-2 - Automatic General Purpose Scanner

– Versatile, robust and stable inspection



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.

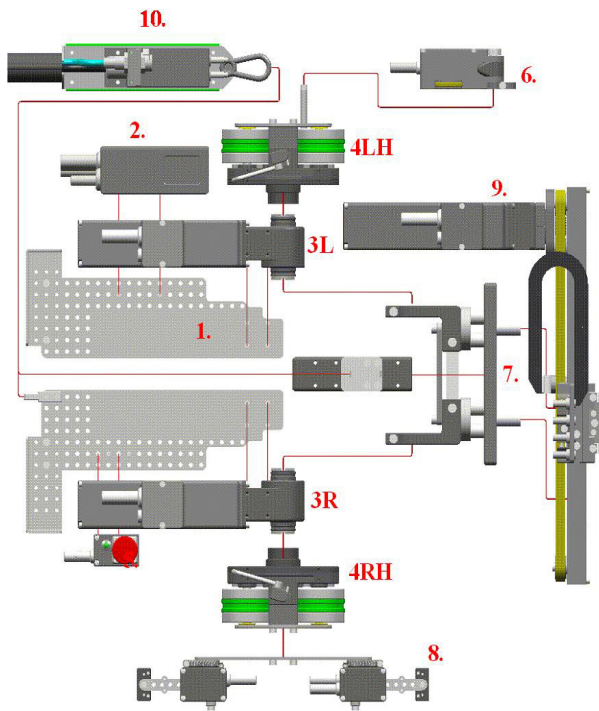
Applications

The AGS-2 is very versatile, robust and stable and ideal where high speed, long Y-stroke and several probes are required, for example in:

- 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.



AGS-2 exploded view.

The exploded view of the AGS-2 shows the main modular components:

1. AGS-2 platforms
2. Master module MST-3 and link module LIM-3
3. X-motors with angle gear
4. Right and left hand set of magnetic wheels
5. Emergency stop switch, ESR-1
6. Free wheel encoder, ENC-2
7. Main beam
8. Track sensors for magnetic track
9. Y-module with motor, gear, rail and slide
10. Relief bracket for main cable.

Technical Specifications for AGS-2

Velocities

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

Object Dimensions (depending on Y-module)

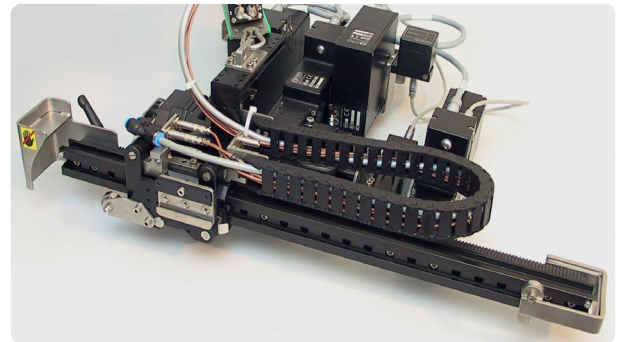
Min. OD (Circumferential drive):	75 mm
Min. OD (Longitudinal drive):	150 mm
Min. OD (Helical drive):	400 mm
Min. ID (Circumferential drive):	450 mm
Min. ID (Longitudinal drive):	450 mm
Maximum dimensions:	Plane surface

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.



AGS-2 with optional probe lifting system and angle sensor mounted.

Further information

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