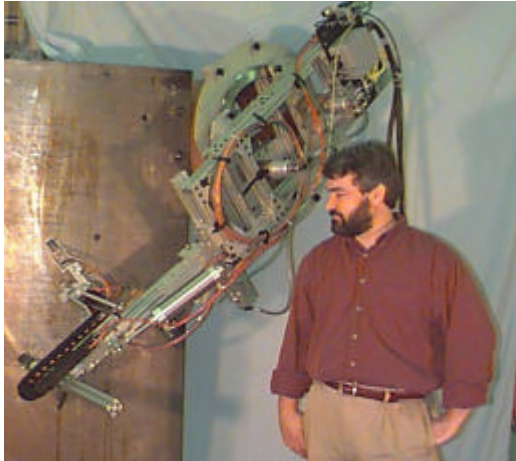


Model 7210 Pre-Service Nozzle Scanner

Wesdyne NDE Products' Pre-Service Nozzle Scanner was developed to inspect nozzle saddle welds on vessels at their point of manufacture. It is an automated rotary scanner which delivers its NDE payload to the inspection surface and conducts raster style scans. When used with an AMDATA IntraSpect™ system and its inherent pulse-on-position technology, high quality ultrasonic and/or eddy current imaging inspections can be accomplished.

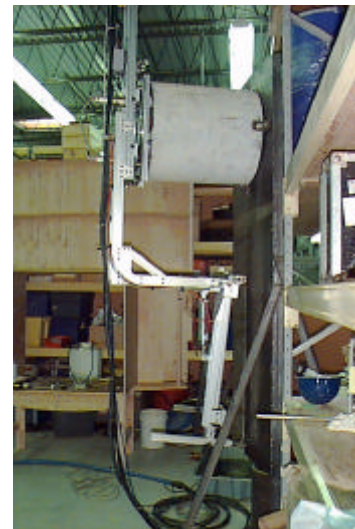


Pre-Service Nozzle Scanner on Mockup Plate

- Accommodates nozzle diameters from 11 to 42 inches.
- Basic configuration consists of a mounting fixture, turret, internal frames, Y-Arm, thruster and gimbal package.
- Mounting fixture includes spring clamping to nozzle.
- Standard design interfaces to allow various sizes of the nozzle scanner components to be mixed to address a given nozzle size and configuration.
- Onboard wiring and connections for UT cables, couplant feed, and compressed air lines.
- Onboard wiring harness length and tiedown to accommodate long and short Y-Arm lengths.
- Adjustable bridge slides to fit various nozzle diameters and lengths.
- Servo based X (circ) and Y (radial) drive motors.
- Quick connect fittings for all wiring and lines; wing nuts, quick nuts, and reusable cable ties - no tooling required for assembly or removal.
- Counter weights for operation on horizontal nozzles.
- Typical scanning speeds of 6 inches per second in radial direction, and 11.5 degrees per second in circumferential direction.
- Delivers a typical transducer package of 3 modules of single and dual element probes (optional accessories).

BENEFITS



- Provides a high resolution scan capability for large component nozzles and similar circular geometries.
- Modular design allows various nozzle configurations to be addressed by building blocks and reusing many parts.
- Easy installation by one person due to modular design, and does not require tools to assemble.
- Can inspect nozzles in any orientation - horizontal, up, down, or any angle in between.
- Thruster and gimbal package provides constant force to NDE payload to follow contours without data variations.
- Can scan in either radial or circumferential directions depending upon your NDE needs.
- Adjustability in bridge allows added exam length capability with a given Y-Arm.
- Includes a fail safe mounting fixture, which requires operator intervention to remove.



Scanner installed to simulate a 42 inch diameter nozzle inspection

Minimum required equipment to operate Pre-Service Nozzle Scanner – AMDATA IntraSpect™ imaging system with GA-1003 scan control subsystem, 2-axis joystick, and cabling.

FEATURES

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