



ZR-100

Inspection and Repair Robot

FEATURES & BENEFITS

- ▶ Quick, accurate and reliable
- ▶ Smallest footprint and most agile robot available
- ▶ Multiple robots conveniently controlled from EddyNet/AQ software
- ▶ A completely non-entry installation that is both fast and easy
- ▶ Supports Eddy Current and Repair Tools
- ▶ Easily configured for various steam generator models



WHY YOU NEED THIS ROBOT

Field proven to be faster and easier to use than any other inspection or repair robot. You can install and calibrate two ZR-100 robots in less than 20 minutes. Run up to two robots and four Zetec probes in each channel head. Operate each robot and dual probes with the MIZ-80iD integrated acquisition system simultaneously using EddyNet/AQ software.

Efficiently inspect every tube and analyze data quickly with EddyNet®/AN or RevospECT™. Change tools remotely without removing the robot for complete and efficient inspection to repair operations. Reconfigure the robot in less than an hour for a different steam generator inspection.

ZR-100

FOR NUCLEAR STEAM GENERATOR INSPECTION & REPAIR

Quick, Accurate and Reliable

- ▶ Can quickly inspect every tube in the steam generator faster than any other robot
- ▶ All eddy current and repair tools can reach every steam generator tube
- ▶ Field proven in horizontal and vertical OTSG in-service inspections and vertical pre-service inspections

Intelligent Motion

- ▶ Allows for multiple robots within same vessel for high productivity
- ▶ Multi-robot awareness system intelligently coordinates multiple robots within same vessel to avoid collisions
- ▶ Multi-robot awareness system coordinates probing to avoid pushing a probe into an adjacent plenum robot

Easy and Fast Installation

- ▶ ZR-100 installation system and the EddyNet™/AQ install wizard allow for an easier and faster installation than any other robot
- ▶ The installation process is based on controlled science and process to be less demanding of the operator
- ▶ The zero entry installation positions the operators for the lowest dose achievable during installation
- ▶ Allows you to be collecting data from up to four MIZ-80s in less than 20 minutes from platform arrival

Supports Eddy Current and Repair Tools

- ▶ Zetec's dual guide tube tool allows for testing of 2 tubes simultaneously per ZR-100
- ▶ Quickly change to roll plugging, TIG shrinker insert, plug puller insert, stake installation and plug inspection tools
- ▶ Up to 30 lb tool payload



Zetec: Innovation That Delivers Results

For nearly 50 years, Zetec has advanced NDT standards and science. We provide new insight and control through inspection solutions that protect our customers' most important assets and ensure the quality of their products. By integrating design and engineering with our own manufacturing, Zetec delivers solutions that optimize productivity, safety and total cost of ownership.



Zetec holds ISO 9001
and ISO/IEC 17025
certifications



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