

PWR Head Examination and Repair

Reactor Vessel Closure Head Volumetric Exams
including Bare Metal Visuals & CO₂ Cleaning

Utilities can manage their reactor vessel closure head inspection with confidence thanks to Framatome's wide range of inspection and repair tools

Challenge

Compliance and inspection in the nuclear industry require top-of-the-line resources for success. Utilities need the right tools to get the job done safely and effectively. Complying with Code Case N-729 and the periodic examinations of the reactor vessel closure head (RVCH) penetrations requires specific tools to ensure quality inspections at all plants.

Solution

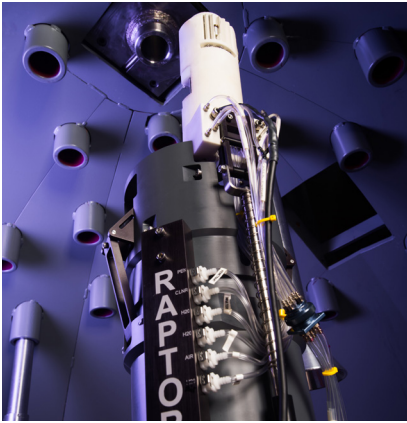
When the industry's best tools are required, Framatome has you covered. Utilities can manage their RVCH penetration inspections with confidence thanks to Framatome's wide range of inspection and repair tooling for a variety of needs. Flexible inspection tools promote safety and efficiency — plus, our tools are tested and used successfully in the industry to help eliminate unplanned outages. In addition, the right delivery system can eliminate dose and minimize schedule impact for manipulator exchange.

Customer benefits

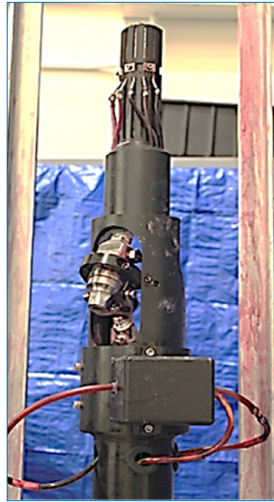
- NUMAN under-head manipulator delivers a variety of inspection and repair tools
 - Low-profile carriage reaches out of the head-stand opening for a low-dose tool change
 - Encoded positioning enables inspection traceability
 - Graphical user interface with collision avoidance promotes safe, efficient operation
- Minimize dose and schedule impact for manipulator exchange with available repair tools, if needed, delivered using the same NUMAN platform



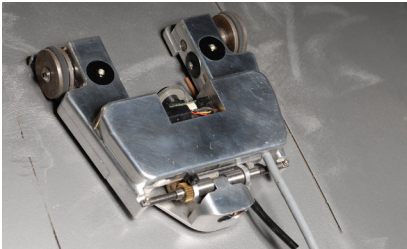
Your performance
is **our** everyday **commitment**



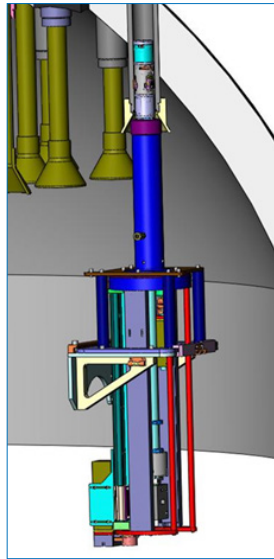
Raptor-Remote PT application



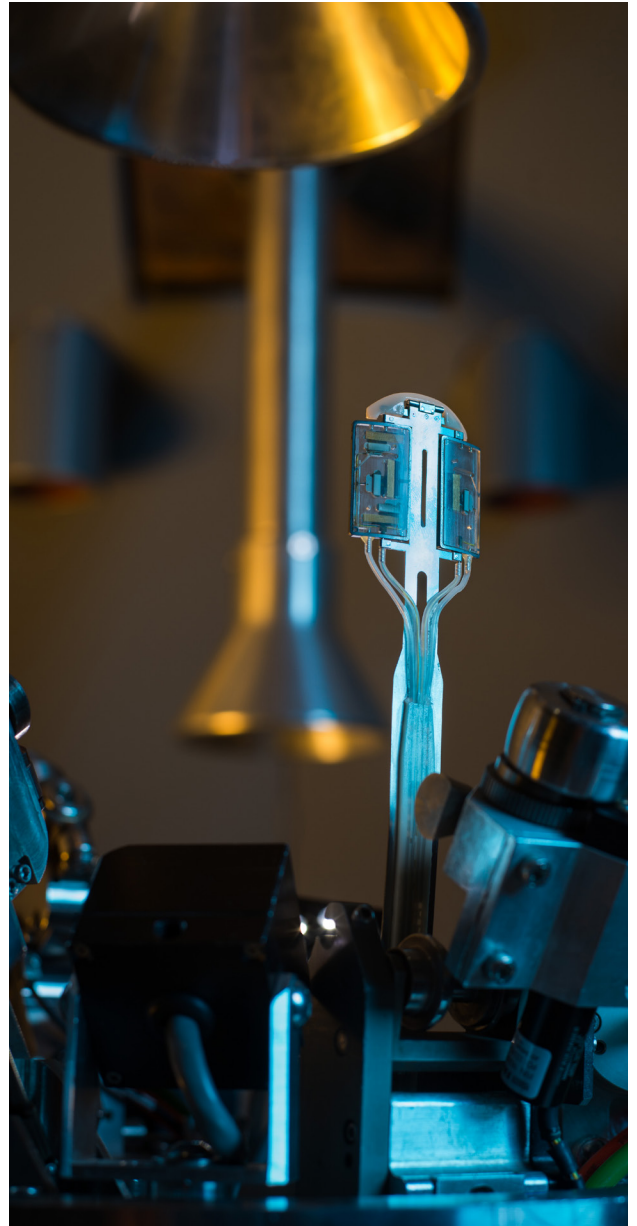
Apache-Remote PT application



Jamko's THOR inspection crawler and bare metal visual inspection system



Bottom-Up Tool
inspects vent lines
and nozzles without
thermal sleeves



Dual Blade Probe provides both circumferentially- and axially-oriented TOFD UT inspections. The design features maximum flexibility for the most complete coverage — even on extreme peripheral nozzles.

Field-hardened and tested equipment leads to predictable outages

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