

Reactor Vessel & Reactor Vessel Head

Flange Inspection & Repair

Take the guesswork out of RV & RV head flange inspection & repair

Framatome's laser reactor vessel (RV) & RV head flange inspection technology is a proven technology with more than 22 deployments in the U.S. and Europe. This innovative tool reveals imperfections that do not meet sealing surface criteria and identifies existing and potential leak paths. Framatome repairs the flange surface via welding and machining processes.

Using the advanced Laser RV & RV Head inspection tool, Framatome's team of metrology experts conducts a comparative analysis of the flange contact areas relative to the surrounding surface for changes in elevation. The reactor vessel scan reveals existing leak paths and other potential leak paths. Using these inspection results, Framatome will provide repair options. Indications identified for repair can be addressed by weld build-up, machining, and honing.

The first deployment in the U.S. was recognized by the nuclear industry for its flawless execution. This field-proven flange inspection project was completed:

- Ahead of schedule, resulting in minimal impact to critical path
- Under dose goals
- With ZERO safety issues



RV Flange Inspection Tool



RV Head Flange Inspection Tool

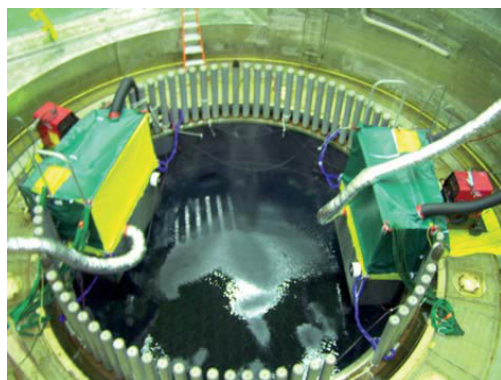
Key Features & Benefits

- Flaw mapping technology
- Provides length, width, depth, and azimuthal location of indications
- Saves time, dose, and cost
- Can set threshold to match inspection requirements
- Mitigates risk to your plant's components
- Remote scanning
- Provides a permanent record of sealing surface condition



Visual indication on left

Actual laser scanning flaw identified on right



Your performance
is our everyday **commitment**

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