

Upper Flange Weld Inspection Tools

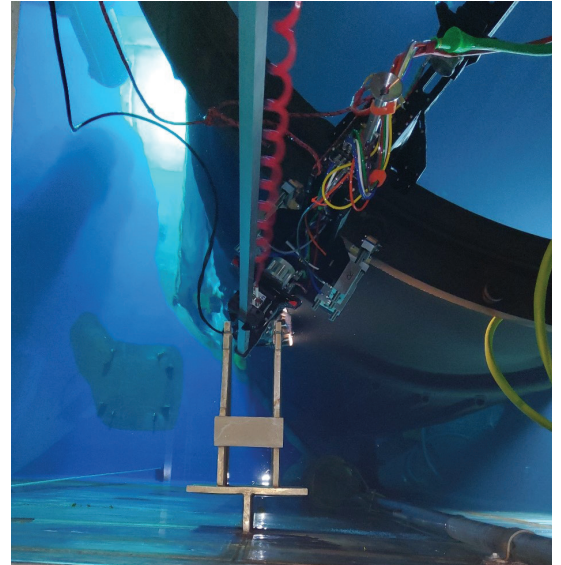
Framatome's field-proven Upper Flange Weld Inspection Tools (UFWIT) enable you to achieve your upper flange and upper girth weld inspection objectives by performing examinations on the core barrel quickly and efficiently, providing a lower dose environment with less schedule impact.

Challenge

Utilities need robust and efficient tools for examination of core barrel welds, whether from the inner diameter (ID) only or, with the implementation of the NEI 03-08 Interim Guidance Letter MRP 2023-0053, from both sides. Stable, well-lit, high-definition (HD) examinations are crucial for meeting the exacting enhanced visual examination (EVT-1) standards.

Solution

Framatome's upper flange weld inspection tooling options are able to easily deliver the quality visual exams our customers need. For applications where the core barrel will not be removed from the vessel, the original UFWIT (Upper Flange Weld Inspection Tool) provides a pole-delivered solution to efficiently acquire high-quality video. When the core barrel is removed, the NUFWIT (New Upper Flange Weld Inspection Tool) provides another pole-delivered platform for examining the upper flange weld and the upper girth weld from both sides with a single tool load.



Customer benefits

Both tools:

- Single installation with no crane needed, reducing outage impact
- Simple, reliable controls minimize downtime risks
- Efficiently access upper flange and upper girth welds from the ID

NUFWIT:

- Accesses upper flange and upper girth welds from the outer diameter (OD), aligning with MRP 227 standards
- Navigates alignment keys seamlessly without manual input for efficient exam coverage

Features

Both tools:

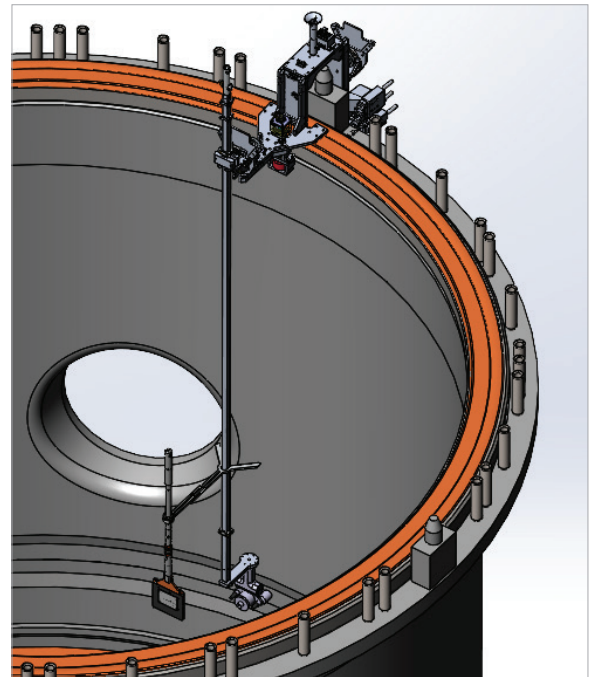
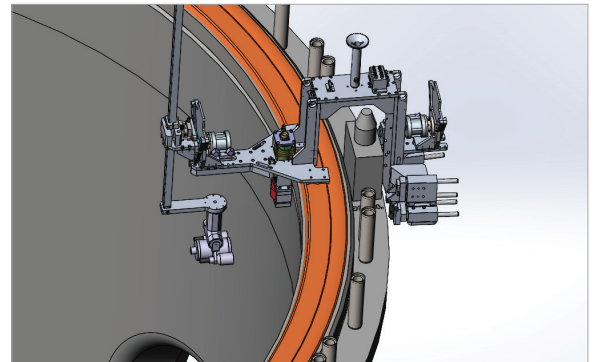
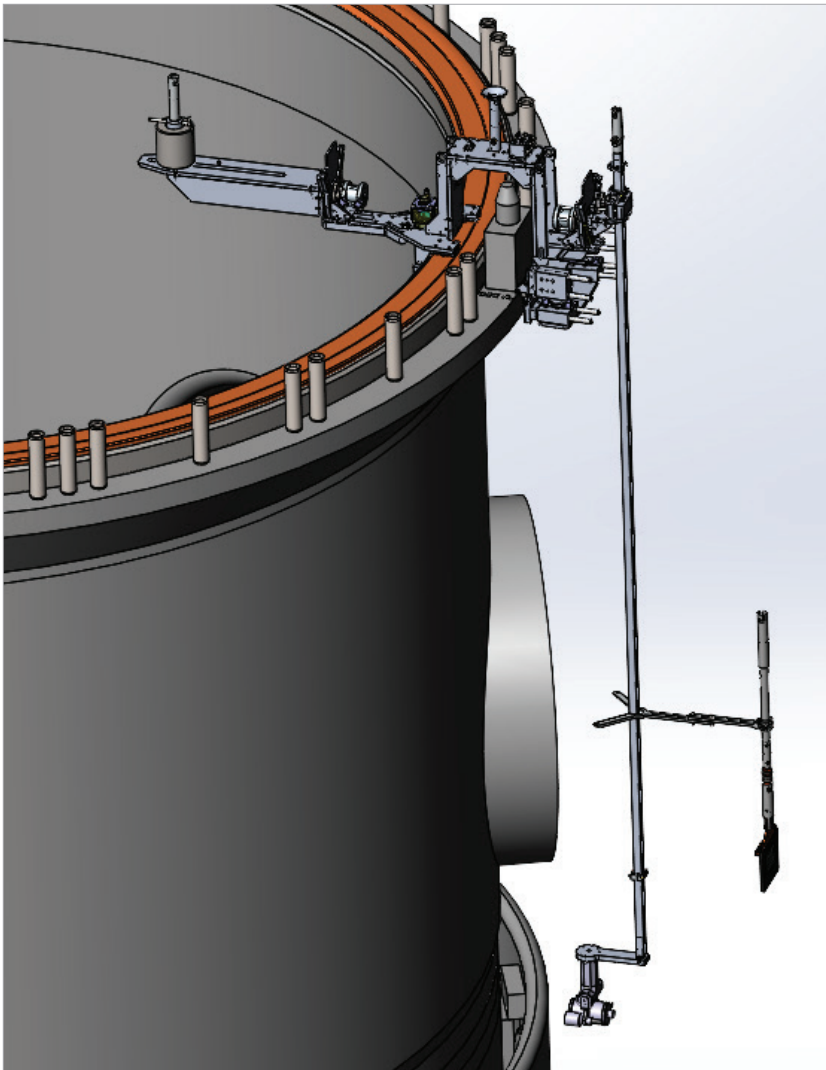
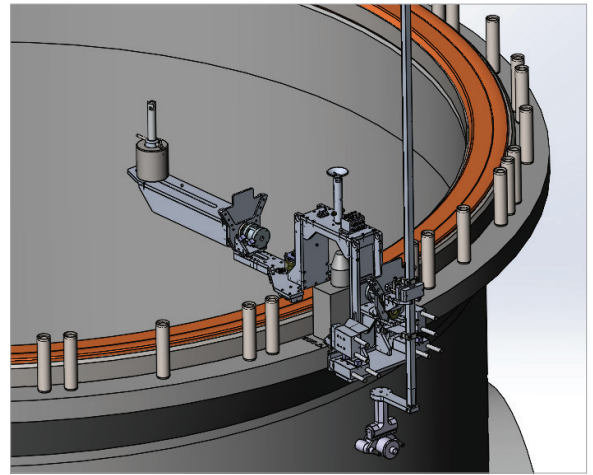
- Manual installation using standard poles; no crane pick required
- Positionable camera for examination of both the upper flange weld and the upper girth weld without reconfiguring

Original UFWIT:

- ID examinations with HD camera

NUFWIT:

- ID and OD examinations with HD camera from a single installation



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