

# 4-FACE FUEL INSPECTION

## FOUR SIDED FUEL INSPECTION

4-Face Fuel Inspection is performed during regular offload in a PWR to find failed fuel. A system of four HD cameras mounted on a frame is placed above the upender to record a video of all four sides and the bottom nozzle of each fuel assembly passing by. This gives an immediate verification of fuel assembly integrity, without affecting the critical path.

## APPLICATIONS

- Quad-side fuel inspection during regular offload, without affecting the critical path
- 5th camera or tilt function for bottom nozzle inspection
- Customer adapted turnkey system with HW, SW, installation and commissioning, ready for use
- Custom built 4-face fuel inspection software included. This features video recording, playback of recorded files, slow motion in playback mode, text and audio input in recorded files, image measuring

## BENEFITS

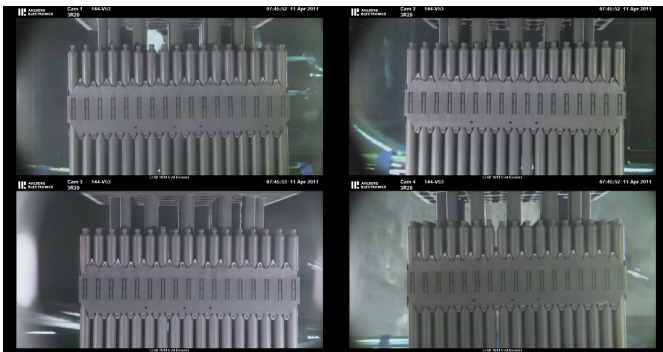
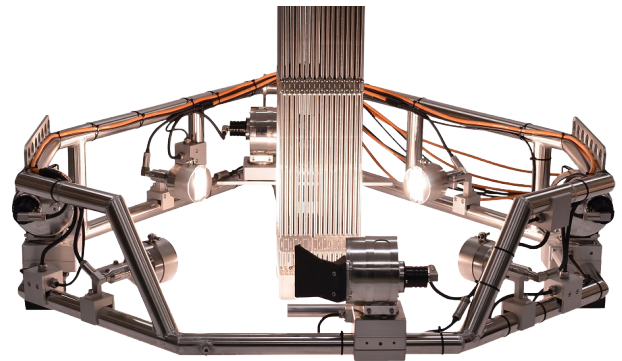
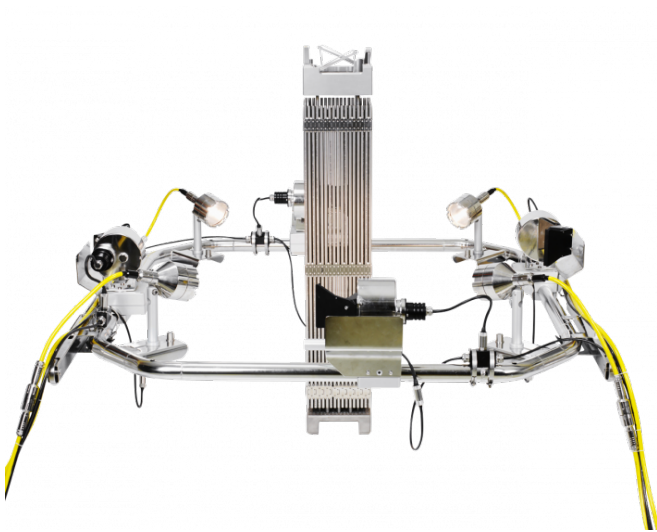
- Inspection of all four sides and bottom nozzle of fuel assemblies simultaneously
- Extensive zoom capabilities, x10 optical x10 digital, facilitate to find fuel failures
- Monitor can shift between one-side or quad-side mode, showing either one side of the fuel or all four sides at the same time
- Additional software available as option, e.g. bow measurement software for instant calculation of bending of fuel assemblies
- Possibility to stream video over the NPPs computer network
- Proven functionality, more than twenty five 4-face systems installed world-wide

## SPECIFICATIONS


Material of components	Stainless steel, anodized aluminum
Weight of components	ca 400 kg (ca 880 lbs)
Maximum temperature	70°C (158°F)
Water tightness	min 3,5 bar (min 50 psi)
Cameras	Z160
Lights	AhL-Light 10

*We reserve the right to alter specifications without prior notice*

## 4-FACE FUEL INSPECTION IMAGES



### LINKS

 English

[ahlbergcameras.staging.westart.se/products/systems/4-face-fuel-inspection](http://ahlbergcameras.staging.westart.se/products/systems/4-face-fuel-inspection)

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