

framatome

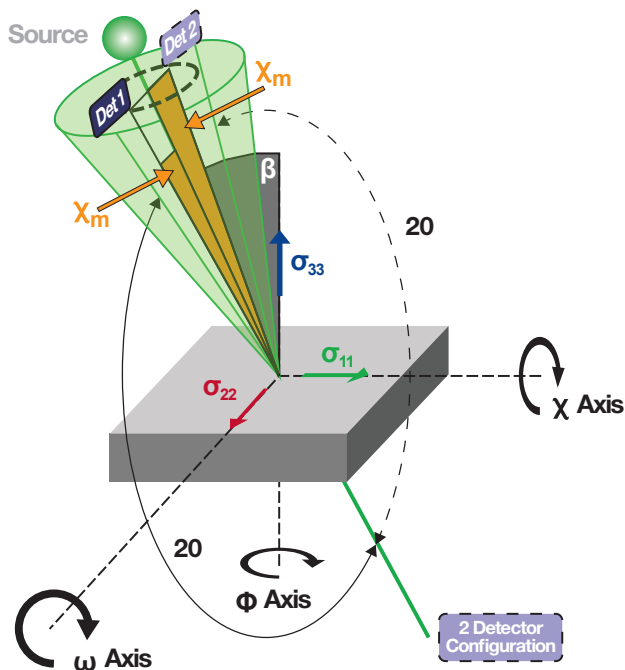
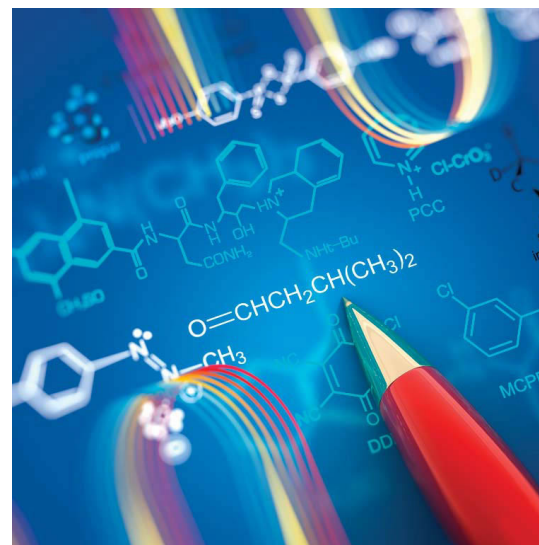
Shimadzu™ X-Ray Diffractometer (XRD-7000) - Protect Construction Integrity

Challenge

How to effectively determine the residual stress in construction materials — including those with metallic or ceramic fine grain sizes.

Solution

Framatome's Shimadzu™ X-Ray Diffractometer (XRD-7000) provides non-destructive material analysis by measuring the strain in the crystal lattice. This exclusive XRD technique can also measure the residual stress on shot-peened austenitic stainless steel surfaces. Chemistry experts can observe X-ray diffractions of metal fractures to discover extra insights regarding influencing mechanisms and mechanical conditions.



Customer benefits

- **Verifies** reliability of materials used
- **Mitigates** undesirable or unforeseen outcomes
- **Predicts** success factors for your construction projects

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Your performance
is **our everyday commitment**

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