

Shimadzu™ X-Ray Diffractometer (XRD-7000)

Protect Construction Integrity

Every **Innovation**
Has a Mission

AREVA
forward-looking energy

Shimadzu™ X-Ray Diffractometer (XRD-7000)

Protect Construction Integrity

Benefits

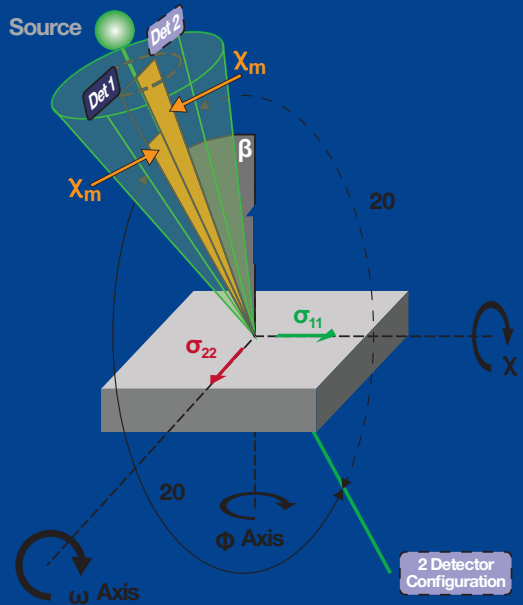
- **Verifies** reliability of materials used
- **Mitigates** undesirable or unforeseen outcomes
- **Predicts** success factors for your construction projects

The Challenge

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

The Innovative Solution

AREVA'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.



Proven Expertise, Better Performance Elemental To Your Success

AREVA Inc. Corporate Headquarters

7207 IBM Drive
Charlotte, NC 28262

For more information, contact:

John Peters

John.Peters@areva.com
Tel: 434.832.3077 Cell: 434.841.0988

Gerry Ottman

Gerald.Ottman@areva.com
Tel: 434.832.4097 Cell: 434.841.1912

or your VP, Key Accounts:
Tel: 704.805.2305

us.areva.com