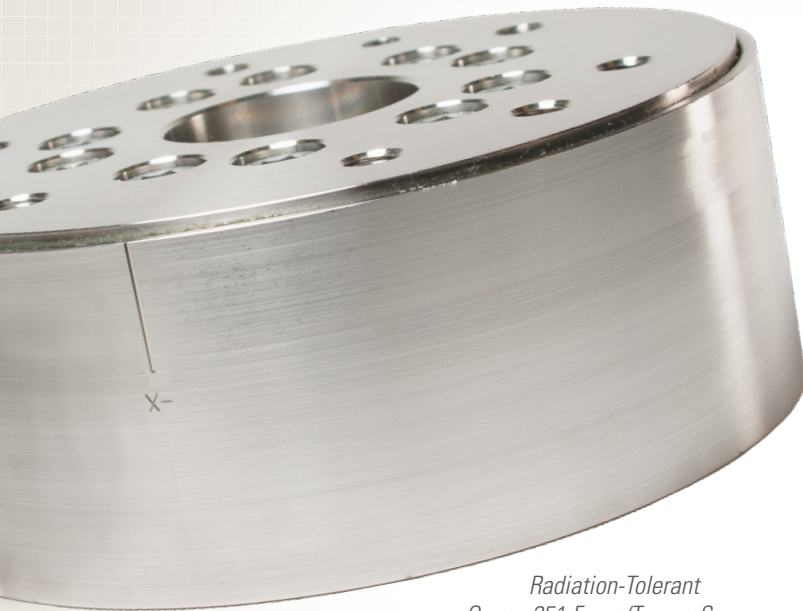


# Radiation-Tolerant Force/Torque Sensor Products



*Radiation-Tolerant  
Omega251 Force/Torque Sensor*

## Product Description

ATI Industrial Automation's Force/Torque Sensors provide force and moment sensing at the highest accuracy, resolution, and stiffness available. Through active force control, they enable robots to have a dynamic sense of touch to perform a variety of complex material handling tasks.

Radiation-Tolerant Force/Torque (F/T) Sensors integrate ATI's reliable force sensing technology in a rugged package that is ideal for nuclear decommissioning and other radioactive applications. With robust components and an increased operating temperature range, they are proven to thrive in extreme conditions.

ATI's Radiation-Tolerant Force/Torque Sensor technology can be applied to custom force sensing applications. Contact an ATI Account Manager today for more information or visit our website at [www.ati-ia.com](http://www.ati-ia.com).

## Product Features

Specially-designed electronics and extreme-environment o-rings provide unfailing sensor performance.

- Proven sensor operation at temperatures ranging from 0 °C to 70 °C (32 °F to 158 °F).
- Withstands radiation to 10 kGray (1 Mrad).
- True differential  $\pm 5$  V analog outputs.
- Radiation-Tolerant cable available in custom lengths.



Photo courtesy of Sellafield Limited, KUKA Robotics, and SCHUNK.



*Engineered Products for Robotic Productivity*

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