



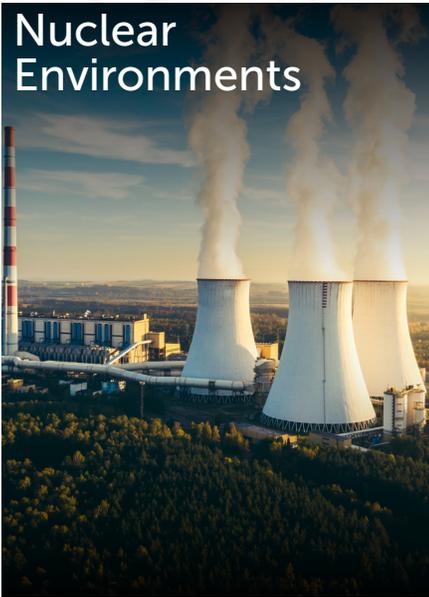
The all-in-one X-ray platform
designed to streamline
Total Ionizing Dose (TID) effect
testing with accuracy, control,
and repeatability.

WHAT IS TIDeX?

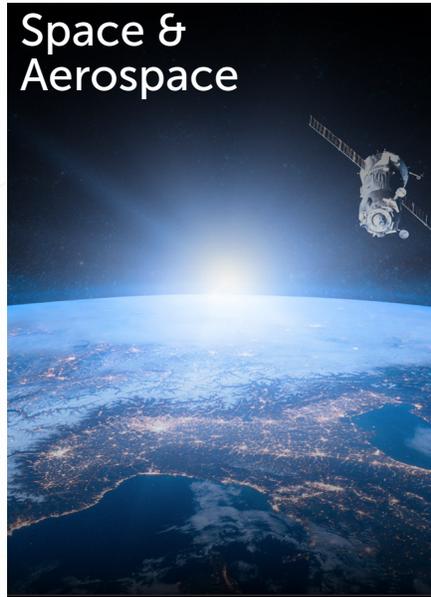
Ensure quality and assess radiation durability with TIDeX, a specialized inspection station using X-ray irradiation to evaluate semiconductor wafers, packaged integrated circuits (IC), and other electronics for Total Ionizing Dose (TID) effects.

By testing devices under controlled radiation exposure and calculating TID, engineers can accurately assess and enhance radiation hardness of components before integration, ensuring long-term reliability in demanding environments.

Nuclear Environments



Space & Aerospace



Defense & Security

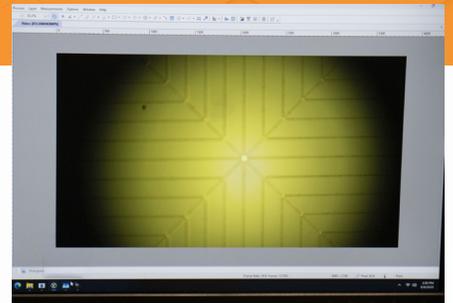
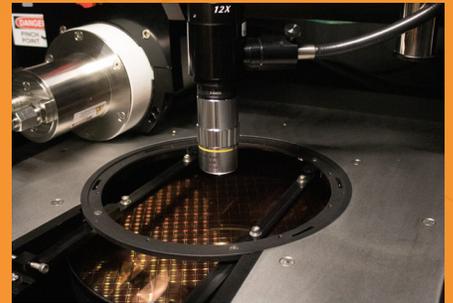
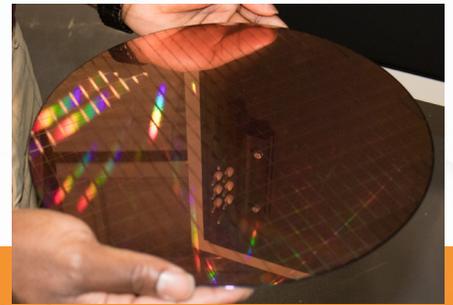


AND MORE...

KEY FEATURES

- Precise radiation hardness testing of wafers and packaged ICs
- All-in-one X-ray, shutter and probe station
- Fully integrated dosimetry
- Adjustable 10x objective microscope
- Probe card holder that enables custom collimators and probe cards

TEST SMARTER. BUILD STRONGER.



Wafer Size (Diameter):	≤ 300mm
Energy Range:	10 kV - 160 kV
Dose Rate:	> 200 krad/min (at 60 kV)
Power Supply:	6000W
Beam Size at Target:	10cm ² (3.56cm in diameter)
Microscope & Camera:	10X
Wafer Chuck:	Incl.
Shutter Mechanism:	Incl.
Remote Control X,Y,Z stage:	Incl.
Easy to change beam collimation & beam hardening filters:	Incl.

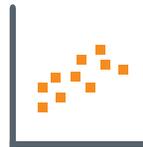


Whether a new or existing customer, Precision X-Ray, Inc. will be with you every step of the way



Service Packages

From single to multi-year warranties, we offer plans that fit your service and budget requirements.



Dose Mapping

Visualizing dose variations across the irradiation field to enhance experimental accuracy.



Remote Support

Your first line of assistance to diagnose and troubleshoot issues, minimizing downtime.



Options & Upgrades

Helping you get the most out of your technology today while expanding your future research capabilities.



Equipment Management

From initial setup to relocation or removal, our experts manage the entire process with precision and care.



Customer Training

Personalized instruction and guidance to help effectively operate your system and achieve desired results.



Applications Support

Our experts help get your experiments running and support you as your research evolves.



Preventative Maintenance

Proactive care to keep systems running at their optimal level of performance.

MKT- 00036 Rev. A

PRECISION
X-RAY IRRADIATION

∞ Part of Tibidabo Scientific Industries



Email: sales@pxinc.com
www.precisionxray.com