TIBIDABO
SCIENTIFIC INDUSTRIES

NEWSLETTER

scintacor THE CENTRE OF SCINTILLATION
PRECISION X-RAY IRRADIATION
LAMBERT REIMAGINE DETECTION
PHOTEK ENVISAGE THE FUTURE
greateyes EXPAND YOUR VISION
PHOTONIC SCIENCE
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Exploring Space with Tibidabo Scientific Indutries

Welcome to the Tibidabo Group newsletter dedicated to showcasing our cutting-edge technology solutions.

In this edition, we provide a glimpse into the innovative offerings of each of our companies and their potential in advancing space exploration and research.

Explore Technology Solutions for Space Applications Across the Tibidabo Group

Explore the latest technological innovations from various companies within the Tibidabo Group, specifically tailored for utilization in space applications.

Discover More about our Recent and Upcoming Events

Read about our lineup of upcoming tradeshow and event appearances across the USA, such as HTPD, SPIE Defense and Commercial Sensing, and the Argonne APS User Meeting.

DID YOU KNOW...

Across the Tibidabo group, components have been used in a number of Space Missions. For example Photek has a long history of successful design, fabrication and delivery of photon imaging detectors for space missions. These rugged detectors enable the imaging of very faint objects and processes sometimes only detectable from space based platforms.

Read more about Photek's involvement in Space Missions Here

Photek has developed imaging detectors for a number of space missions including:

1996
MSX: UVISI Detector

1997
ACE: Advanced Composition Explorer

1999
XMM UV: Optical Monitor

2001
GUVI: Global Ultraviolet Imager

2006, 2007 & 2014
SSUSI: Special Sensor Ultraviolet Spectrograph Imager

2015
UVIT: Ultraviolet Imaging Telescope

Scintacor Supplies P43 scintillator coating for PROBA2's EUV Imager for Solar Corona Detection

Scintacor played a pivotal role in developing the PROBA2 satellite's SWAP instrument involved supplying the crucial P43 scintillator coating for the CMOS APS detector. This coating, comprising the phosphor P43, facilitates the conversion of EUV radiation into visible light via scintillation.

This conversion process allows the SWAP instrument to capture essential images of the solar corona at approximately 17.4 nm, vital for studying the Sun's activity and its effects on the near-earth environment. Through collaboration with Scintacor, the PROBA2 mission leveraged cutting-edge technology, enhancing its scientific objectives' success. **READ MORE**

PHOTEK

ENVISAGE THE FUTURE

Photek develops space and aerospace qualified detectors, image intensifiers and high voltage power supplies, working with Global System Aerospace and Defence Integrators to solve their specific detection and imaging needs.

In which areas of space exploration can these products be utilized?

Within space exploration, these technologies find critical applications in UV astronomy, space weather monitoring, and Earth observation.

Contact Us
sales@photek.co.uk

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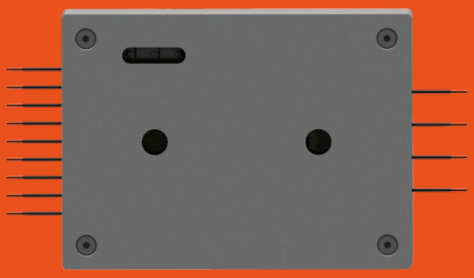
photek.com

Image Intensifiers



High Voltage Power Supplies

PRECISION

X-RAY IRRADIATION

Precision specializes in the development of advanced x-ray irradiators, crucial for testing the radiation hardening of technologies and electronics to withstand high levels of radiation.

In which areas of space exploration can these products be utilized?

In space exploration, these irradiators are crucial for ensuring the durability of materials and electronics for space missions, enhancing reliability and mission success.

Contact Us
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precisionxray.com

X-Ray Irridiators

scintacor

THE CENTRE OF SCINTILLATION

Scintacor specializes in the development of advanced Phosphor coatings and scintillating glass, such as GS20, renowned for their versatility in detecting and imaging gamma rays, neutrons, ultraviolet, infrared, and soft X-rays.

In which areas of space exploration can these products be utilized?

These advanced technologies play key roles in scientific missions, radiation testing, parts inspection, and non-destructive testing, showcasing their vital role in space exploration and research.

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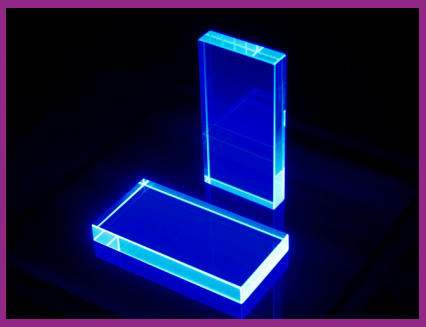
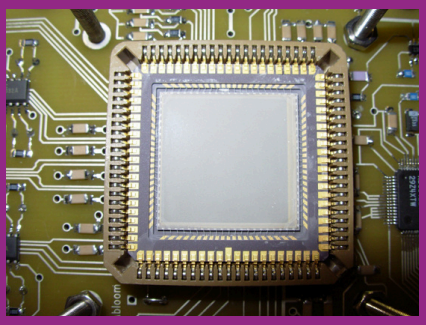


Scintilating Glass (GS20)



Phosphor Coatings

PHOTONIC SCIENCE

Photonic Science specialises in the development of advanced X-ray cameras, sCMOS cameras, and SWIR cameras, offering capabilities for visible light, infrared, and X-ray imaging.

In which areas of space exploration can these products be utilized?

In space, these cameras are used for analytical instrumentation, planetary observation, astronomy, and atmospheric measurements, driving groundbreaking research and exploration.

Contact Us
sales@photonicscience.com

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Cooled sCMOS Camera

SWIR Cameras

LAMBERT

REIMAGINE DETECTION

Lambert specialises in the development of high-speed intensified cameras and attachments. They excel in high-speed flame and OH*-imaging applications.

In which areas of space exploration can these products be utilized?

In space, they're crucial for combustion and propulsion analysis. Lambert's contribution of a HiCAM Intensified camera to ESA highlights our dedication to space exploration advancement.

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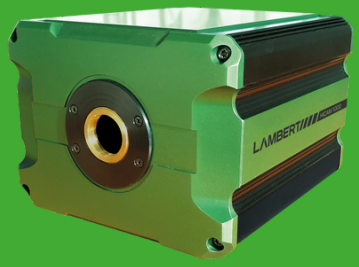
HiCATT Camera Attachment



HiCAM Intensified Camera

greateyes

EXPAND YOUR VISION

greateyes is the pioneering developer of the ELSE camera, renowned for its ultra-high sensitivity in UV/VIS/NIR imaging.

In which areas of space exploration can these products be utilized?

In the space domain, these state-of-the-art cameras find indispensable applications in observatories, telescopes, astronomy, and the observation of planets and galaxies, pushing the boundaries of space exploration and discovery.

Contact Us
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Visit Us
greateyes.de

ELSE Scientific CCD Camera

MORE 24 SUMMIT

In February, Tibidabo Scientific Industries hosted the "MORE24" commercial leadership meeting in Amsterdam, bringing together representatives from 7 dynamic companies within the Tibidabo Group. The event sparked fruitful discussions, highlighting our team's expertise and innovation. We're proud of our collaboration and look forward to future growth and success.

RECENT CONFERENCES

The Tibidabo Group kicked off 2024 with a bang, exhibiting at Photonics West in January and the APS March Meeting showcasing cutting-edge technologies across the group spanning scientific and medical research, life sciences, aerospace, defense, security, and industrial markets.

UPCOMING EVENTS

HTPD
April 21 to 25, 2024
Asheville, North Carolina
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SPIE Defense + Commercial Sensing 2024
21 - 25 April 2024
Maryland, United States
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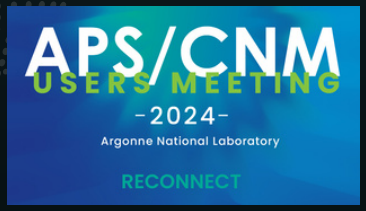

Argonne APS User Meeting
May 6-10, 2024
Chicago, Illinois
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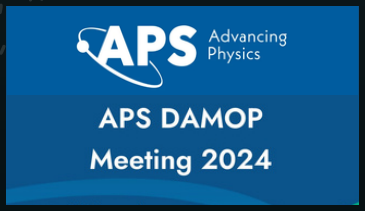

APS DAMOP Meeting 2024
June 3-7, 2024
Fort Worth, Texas
Read More