

COSINE

“Advanced optical and in-situ measurement systems to retrieve the information you need from space.”

About us

cosine is a leading worldwide company in the development of space instrumentation, such as Silicon Pore Optics for astronomy and remote sensing solutions with onboard analytics. We combine physics and technology to bring out-of-the-box solutions to our clients. We have been developing and delivering innovative measurement systems for space and industrial applications since 1998. Our company operates 1,000 m² of cleanrooms and high-tech assembly facilities to build and test the systems we produce for customers at our headquarters in Sassenheim, The Netherlands.

Solutions

Our HyperScout product line consists of various models of enhanced hyperspectral imagers for space with high-level onboard processing capabilities and Artificial Intelligence, to enable your operational and science missions from small platforms.

Our Silicon Pore Optics (SPO), lightweight, high-resolution X-ray optics offer significant advantages for a variety of applications such as silicon wafer bonding, optics for very hard X-rays and gamma rays, high-energy optics simulation, particle contamination.

We offer unique development services for our customers from idea to product, on schedule and within budget.

Company highlights

In 2023, cosine successfully delivered HyperScout H to ESA for integration into the Hera spacecraft that will analyze the impact of NASA's DART mission. In addition, cosine and ESA signed the next development contract regarding Silicon Pore Optics (SPO) X-ray mirrors for the Athena mission. This aims to further prepare the high-resolution X-ray optics for the production phase.

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Company facts

- Founded in 1998 by Prof. Dr Marco Beijersbergen
- We operate 1000 m² of cleanrooms and high-tech facilities at our headquarters in Sassenheim, The Netherlands
- We develop out-of-the-box solutions for our customers and offer a series of HyperScout instruments and High Energy Optics
- 50+ highly-qualified international staff working in close collaboration with universities, institutes, companies and space agencies around the world



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