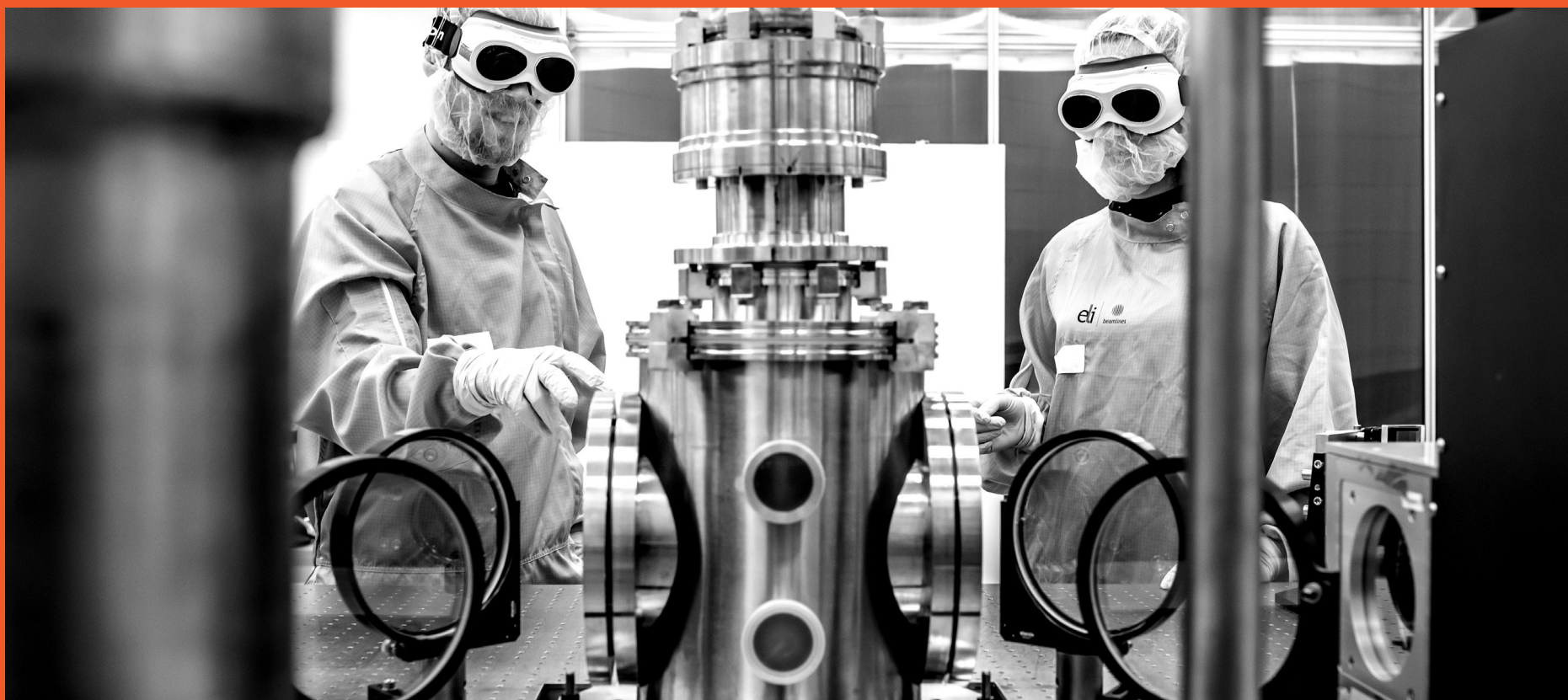




ELI BEAMLINES

POSSIBILITIES OF INDUSTRIAL USE OF HIGH-POWER LASERS

eli

beamlines

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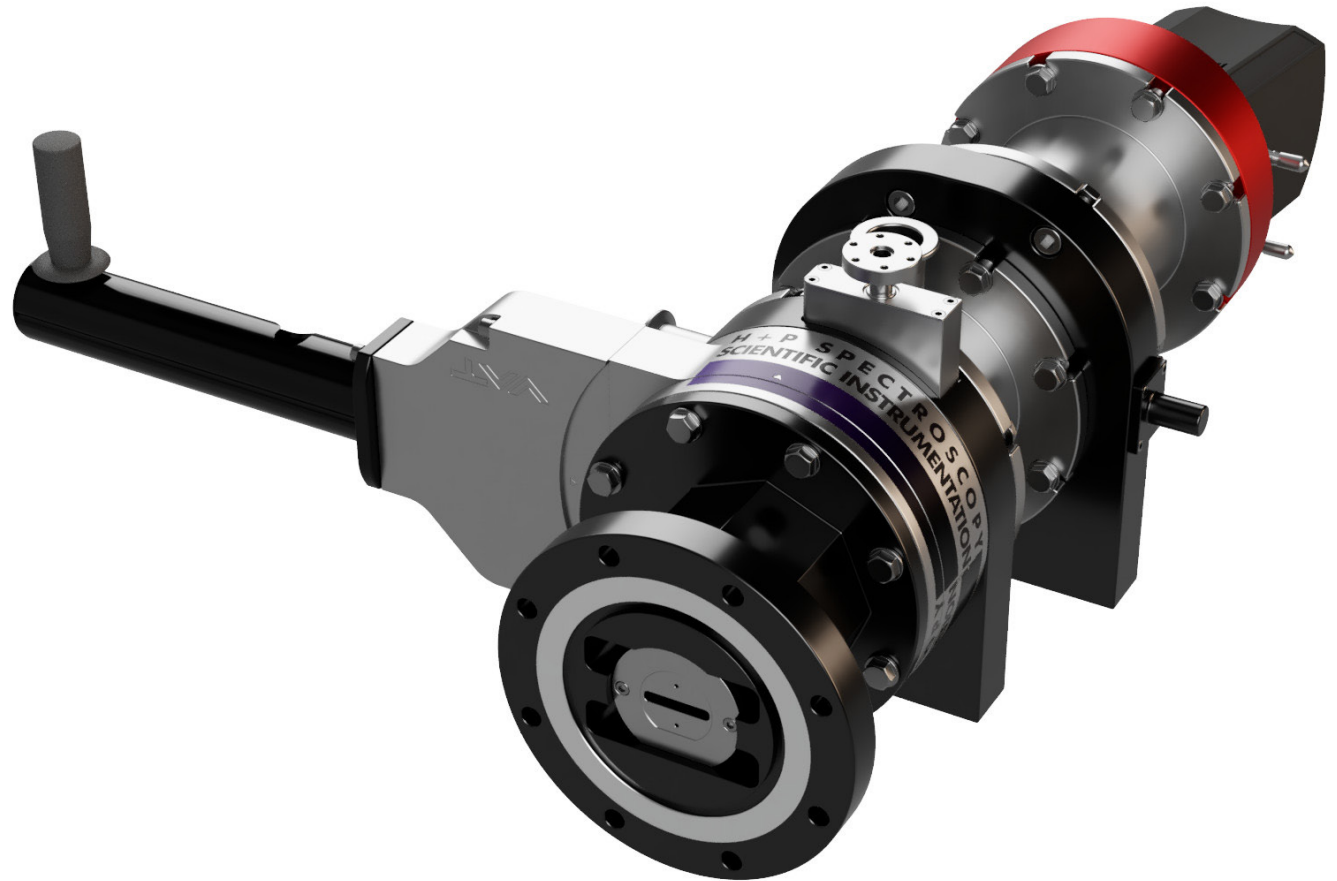
Success stories

ELI Beamlines offers great opportunities of collaboration with industry. One example is a unique concept of characterizing a XUV beam using a new instrument that combines profilometer and spectrometer functions. The invention is based on a new optical design that allows the beam intensity profile and its spectrum to be measured using a single detector. It simplifies the diagnostic setup considerably, as it formerly consisted of a spectrometer and a profilometer, each with its detector, which is usually an X-ray camera at a price of thousands of euros.

A licence agreement for this patent was signed with a German company Dr. Hoerlein & Partner GbR at the beginning of 2019 and the developed product is already on the market.

In addition to the above, we have successfully co-operated with industry in the areas of case studies and tests in high performance lasers, optical component testing, laser safety, simulation modeling and software development.

For ELI Beamlines collaboration with industry has become a regular part of our work. An increasing number of companies are partnering with us in the area of development and the use of high power lasers.





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