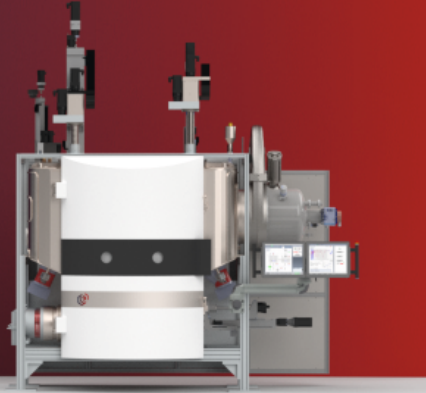


# Ion Beam Sputtering Systems for High Quality Optical Coatings

IBS Engineering & Ion Source Development ·  
19 years leading in innovation



Cutting Edge Coatings (CEC) GmbH focuses on the production and development of the company's own ion beam sputtering (IBS) coating system „NAVIGATOR“. IBS is known as the physical vapor deposition (PVD) process the highest quality thin film coatings/layers. Compared to other coating processes, IBS is known for extremely dense coatings, low absorption, high laser irradiation resistance (LIDT) and high durability in harsh environments. The IBS systems combine decades of experience in optical thin-film technology with the special requirements of our customers to continuously improve the quality of their coatings.

## Our Products

- » Navigator 1000 - Our standard system - highly customizable configurations for your requirements.
- » Navigator 1100 LL - The Load-Lock configuration is popular with industrial customers due to its increased productivity.
- » Navigator 2500 - The IBS coating system for large-area substrates and even greater productivity.

## Key-Features

- » Ion Beam Sputtering Deposition
- » Tunable refractive index by genuine blending of two zone targets
- » Broad-Band optical monitoring system for high precision thickness control
- » Lowest scatter values and defect densities
- » Lowest optical losses
- » Load-Lock System
- » Rugate-filter

Cutting Edge Coatings GmbH

Phone: +49 511 475930 0  
info@cutting-edge-coatings.com  
www.cutting-edge-coatings.com

