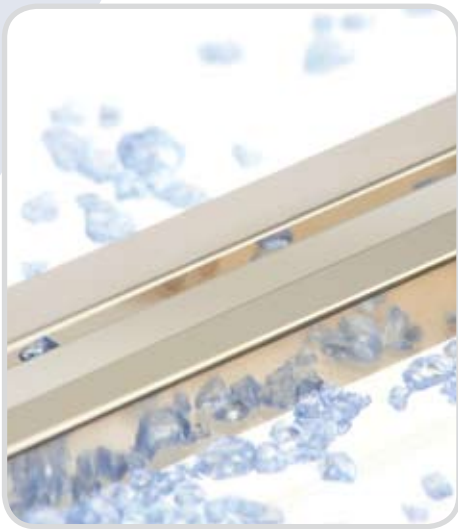


Incoatec GmbH

Your Partner for X-ray Optics and Microfocus Sources

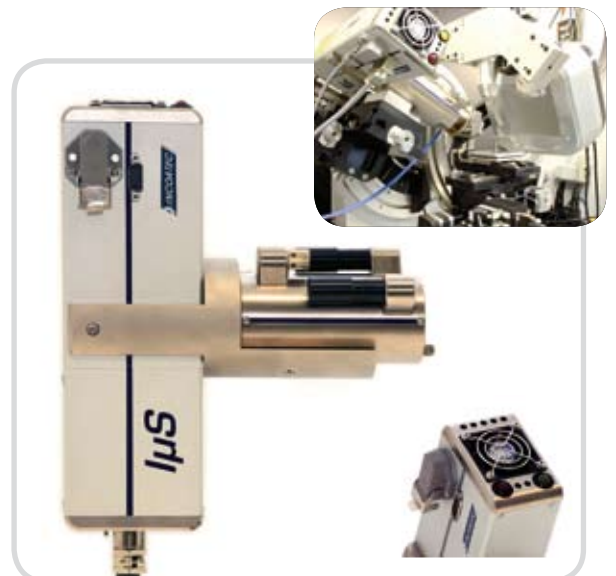


Incoatec GmbH is a spin-off company from the GKSS Department for Coating Technology. The company was founded early 2002 by scientists from GKSS together with Bruker AXS in Karlsruhe, one of the leading producers of X-ray analytical equipment worldwide.

Incoatec produces ultra precise thin films according to client-specific requirements using modern technology (Innovative Coating Technologies). Our main products include multilayer X-ray optics for varying applications and microfocus source solutions. Computerized optics simulation, production of various types of substrates as well as characterization of films round off our service profile. Our main business is upgrading analytical X-ray equipment with new optics and X-ray sources. You will also find our products in new diffractometry and spectrometry equipment made by our partner company Bruker AXS.

μ S - The high-brilliance Microfocus X-ray Source

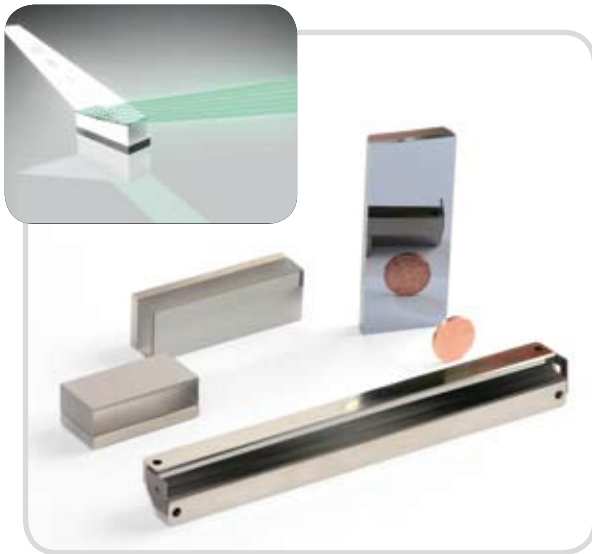
- 30 W air-cooled sealed tube
- New Quazar multilayer optics for 2D focusing or collimating
- For Cu, Mo, Cr and Ag
- Unprecedented flux density
- Low maintenance
- 3 years warranty
- Backup system for beamlines during shutdowns
- For Protein and Small Molecule Crystallography, Small Angle X-ray Scattering, Powder, μ Diffraction, Stress, Texture, ...



Deposition Technology - Thin films and more

We are prepared for customer-specific solutions:

- Monolayer, Multilayer, Multi-stripe coatings
- Metals - Alloys - Ceramics
- Large variety of materials - experienced with > 50 types of targets
- Ultra-homogeneous (< 0.2% on 6")
- Coatings up to a length of 150 cm
- Development of new deposition and process technologies
- Industrial partner for R&D projects
- Specialist for X-ray characterization



X-ray Optics - Göbel and Montel Mirrors

- Optics of varying lengths, focal distances and divergencies
- Client specific optics
- More than 10^8 photons/sec with sealed tubes
- Divergence of 0.5 mrad, other divergencies on request
- Suited for Cr, Fe, Co, Cu, Mo, Ag, ... radiation
- Göbel mirrors for 1D collimation and focusing
- 3rd generation optics for highest resolution XRD
- Montel mirrors for 2D collimation and focusing
- For SCD and SAXS

Synchrotron Mirrors - Made in Geesthacht

- Total reflection mirrors
- Special carbon coatings for VUV and FEL
- Optics for imaging beamlines
- Multistripe monochromators
- X-ray waveguides
- Coatings up to 150 cm long



INCOATEC

innovative coating technologies gmbh

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