



**AXO DRESDEN GmbH**  
**Applied X-ray Optics**  
**Röntgenoptik und Präzisionsbeschichtung**

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AXO DRESDEN GmbH - Applied X-ray Optics and High Precision Deposition – stands for the development and production of high quality single multilayer X-ray optics and complex X-ray optical systems for a wide field of applications both in the hard X-ray and in the soft X-ray regime.

AXO DRESDEN has installed flexible and efficient technologies to provide our worldwide customers in the fields of X-ray analysis, lithography, astronomy, spectroscopy and medicine with serial products for industrial manufactures of X-ray instrumentation and analytical equipment and with single solutions for research and industries.

Our production program contains both single multilayer X-ray optics and complex X-ray optical systems to generate high intensive 1- and 2- dimensional collimated or focussed monochromatic X-ray beams, monochromators on flat and curved substrates, special customized depositions and applications in X-ray reflectometry, X-ray diffraction and X-ray fluorescence analysis.

To produce nanometer thin films and multilayers showing sub-nanometer precision across large substrates up to 500mm in length or 200mm in diameter, AXO DRESDEN is applying and developing different complementary high precision deposition techniques like magnetron and ion beam sputtering and pulse laser deposition.

As a Spin-off of the Fraunhofer Institute Material and Beam Technology (IWS) Dresden, Germany, AXO DRESDEN is an independent supplier of X-ray optics and represents more than 15-years experience in the fields of high precision deposition and design, development and application of multilayer X-ray optics. To guaranty our customers high quality solutions and innovative products also in the future we are working in close collaboration with the Fraunhofer IWS, other Fraunhofer Institutes, the University of Technology Dresden and with several national and international research institutions to ensure our position as a leading supplier for multilayer X-ray optics and high precision deposition.