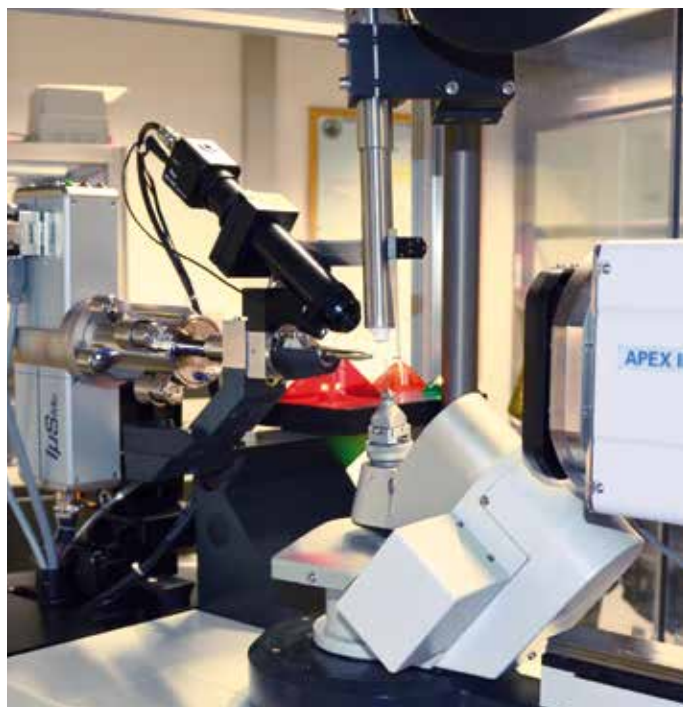


Upgrading X-Ray Diffractometers with a Unique Microfocus Source

Old systems shining in new bright light ...



Nonius Kappa APEX II in Jena, Germany



Huber goniometer with APEX II detector in Newcastle, UK



Marresearch 345 in Liege, Belgium

Incoatec offers a unique possibility to upgrade your existing diffractometer by installing our high-performance, air-cooled and low-power microfocus source I μ S.

You have a Bruker AXS, Marresearch, Nonius, STOE, Rigaku, Huber or some other system?

Your upgrade options:

- Source, optics and beam conditioning elements
- Single source upgrade for XRD, SCD, (GI)SAXS, XRR and many more applications
- Dual wavelength setup by adding I μ S as complementary source
- Cu, Mo, Ag, Co and Cr radiation (others on request)

Your benefits:

- No maintenance, only single phase power and no water cooling required
- 3 years warranty
- Implementation into Bruker software or stand-alone operation (remote control)
- Maximum installation down time of only 2 - 4 days
- Full integration into existing safety circuits, new safety concept development on request
- Full compliance with European Machinery Directive 2006/42/EC

... and everything becomes possible!



Your home lab diffraction system lacks intensity? Brighten it up with Incoatec's state-of-the-art microfocus X-ray source μ S!

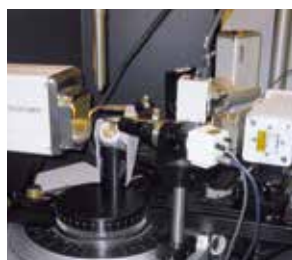
A significant increase in flux density of up to $2 \cdot 10^{10}$ ph/(s \cdot mm²) and smallest beam cross-sections of down to 95 μ m can be obtained. With an μ S upgrade you will get the highest standard of quality, precision and safety *Made in Germany*. Our long-standing experience is based on more than 60 upgrades of μ S integrations into nearly all existing X-ray diffractometers worldwide. Your local service contact can be involved in the on-site installation. Additionally, Incoatec provides profound customer support during the whole project and beyond. We take care!

Upgrades on Bruker AXS systems

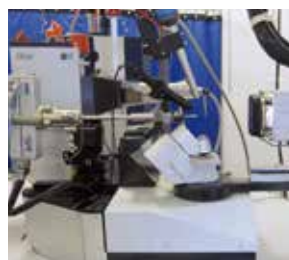
Upgrades on other systems



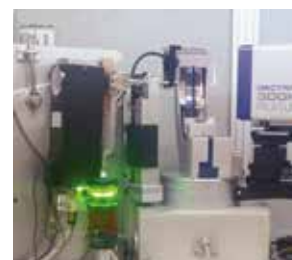
Bruker APEX II DUO μ S in Düsseldorf, Germany



Bruker SMART APEX DUO in Aachen, Germany



Nonius Kappa APEX II in Basel, Switzerland



STOE/Dectris dual source setup in Vienna, Austria



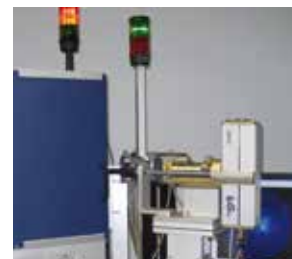
Bruker NANOSTAR in Vienna, Austria



Bruker D8 DISCOVER GADDS in Karlsruhe, Germany



Marresearch 345 dtb in Basel, Switzerland



STOE IPDS II in Mainz, Germany

Special engineering



Combined XRF/XRD setup for painting analysis in Antwerp, Belgium



Adaptation to UHV deposition chamber for in-situ studies in Bratislava, Slovakia



Replacement of Rigaku RU-200 generator in Boulder, USA



Huber system for SAXS in Tamkang, Taiwan



HRXRD setup at synchrotron beamline (Petra III, DESY) in Hamburg, Germany



XRD/XRR setup in synchrotron optics lab at ESRF in Grenoble, France

Is your diffractometer ready to shine brightly again?

Contact and challenge us!

Incoatec GmbH
 Max Planck-Straße 2
 21502 Geesthacht
 Germany

Dr. André Beerlink
 sales@incoatec.de
 www.incoatec.de

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