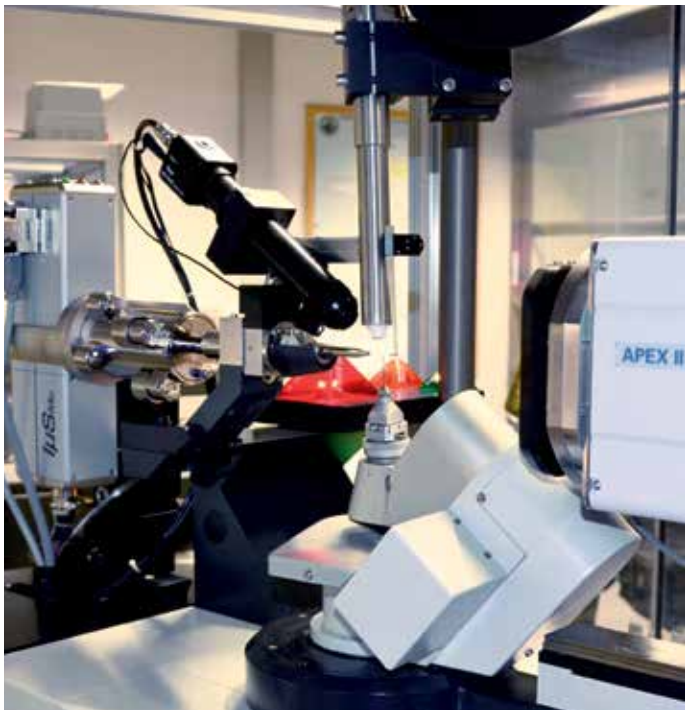
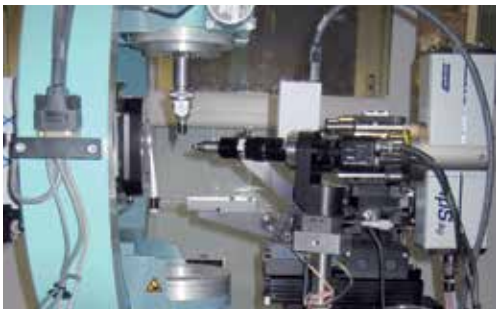
INCOATEC
innovative coating technologies

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 IμS.
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 IμS 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!

IμS upgrades

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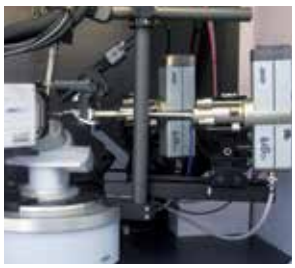
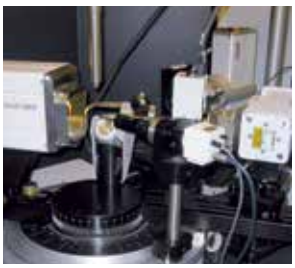
Your home lab diffraction system lacks intensity? Brighten it up with Incoatec´s state-of-the-art microfocus X-ray source IμS!
A significant increase in flux density of up to $2 \cdot 10^{10}$ ph/(s·mm^2) and smallest beam cross-sections of down to 95 μm can be obtained. With an IμS upgrade you will get the highest standard of quality, precision and safety *Made in Germany*. Our long-standing experience is based on more than 60 upgrades of IμS 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



Bruker APEX II DUO IμS in Düsseldorf, Germany



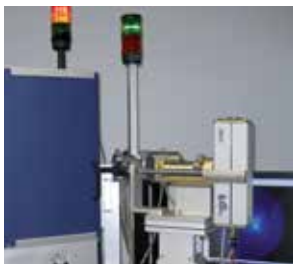
Bruker SMART APEX DUO in Aachen, Germany

Bruker NANOSTAR in Vienna, Austria

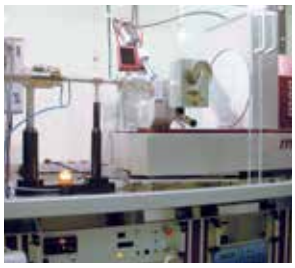
Bruker D8 DISCOVER GADDS in Karlsruhe, Germany

Upgrades on other systems

Nonius Kappa APEX II in Basel, Switzerland



STOE IPDS II in Mainz, Germany



Marresearch 345 dtb in Basel, Switzerland

Replacement of Rigaku RU-200 generator in Boulder, USA

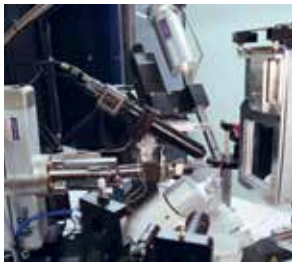
Special engineering

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

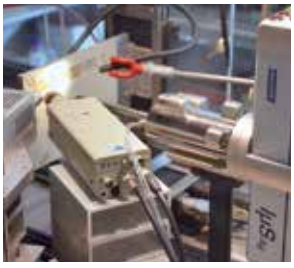
XRD/XRR setup in synchrotron optics lab at ESRF in Grenoble, France

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

Surface and thin film XRD setup in Halle, Germany



SCD setup for millisecond timing experiments w/ XPAD detector in Nancy, France



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

Is your diffractometer ready to shine brightly again?

Contact and challenge us!

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