Are you thinking about purchasing a new X-ray source? Do you need an X-ray cabinet to ensure radiation safety? Take this chance to get the latest development – Incoatec’s X-ray enclosure IXE together with the outstanding microfocus X-ray source IµS! This combination ensures a most reliable and very bright X-ray source paired with the radiation protection and the highest safety standards of the IXE. Our understanding of highest quality, precision and safety ensure a high-end product made in Germany. Incoatec provides profound customer support before, during and after the installation of your new system. In short: we take care of everything!

- Sufficient space for all common goniometers, detectors or dual wavelengths solutions
- Guaranteed radiation safety for all IµS X-ray sources
- Compliant with latest functional safety standards
- Removable panels for easy access
- Numerous radiation safe feedthroughs
- Space provided for a Dewar in the lower part of the enclosure
- Exclusively available with Incoatec’s stand-alone generator ISG and IµS X-ray source
- Breadboard for flexible experimental set-ups
The IXE hosts the experimental setup in a spacious enclosure that also provides room for dual wavelength solutions. The enclosure offers highest experimental flexibility with good accessibility and radiation safety. The X-ray cabinet has been designed for the use with an IµS and Incoatec’s stand-alone HV generator ISG. As a result the IXE offers a solution that will exactly match the demands of your research.

Specifications of IXE
Dimensions 1896 mm x 1785 mm x 1466 mm
Space within the enclosure 969 mm x 1785 mm x 1466 mm
Weight 684 kg
Operating temperature range 10-40°C
Operating temperature gradient 1°C per hour (for microfocus beam stability)

Safety Certifications and Values
Electrical safety DIN EN 60204-1:2006/A1-2009
Radiation safety Leakage < 0.5 µSv/h H* (10) measured at 44 W with a IµS-Ag plus Montel optics. Primary beam must impinge on one of the side walls.

The IµS
Incoatec’s X-ray source IµS contains a high brilliance microfocus sealed tube and either a 2D focussing or collimating multilayer optics, the latest type of Montel optics. It gives you a performance exceeding that of traditional 5.4 kW rotating anode sources, and is easier to handle than a conventional sealed tube system. More than 700 sources sold within less than 10 years are proof of outstanding performance and reliability with best value for money.

The stand-alone HV generator ISG for IµS
The stand-alone generator is specially designed for the IµS and produced in-house. It consists of a high-voltage power supply, a safety board and a vacuum monitor. It complies with the latest functional safety standards and can be, for the ease of use, either operated locally or via remote control. No maintenance is required during product lifetime.