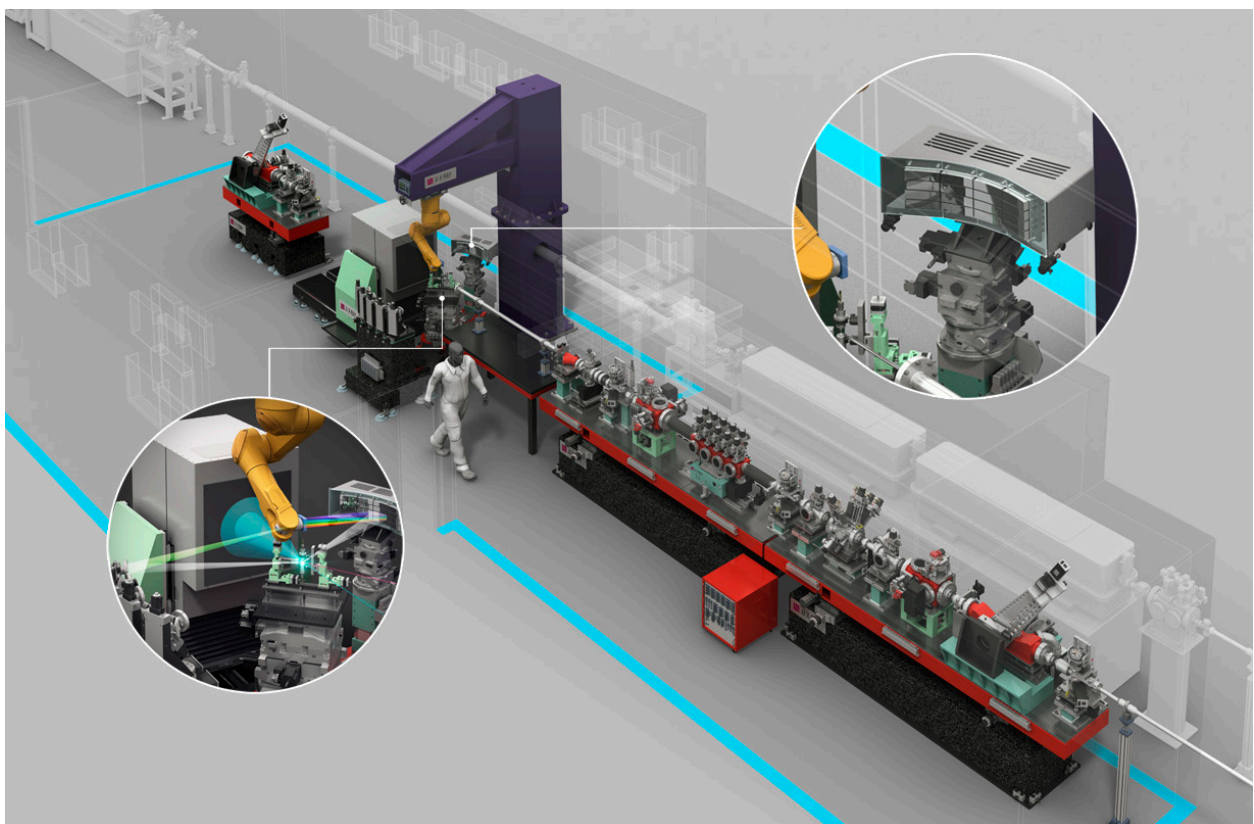


OWIS Engineering: The FXE Instrument

Femtosecond spectroscopy with X-rays is one of the tasks of the European XFEL, the 3.4 km long X-ray laser located in the Hamburg area. The FXE Group (Femtosecond X-Ray Experiments) carries out time-resolved studies on the dynamics of solid objects, fluids and gases.

For this purpose, an X-ray emissions spectrometer was installed, which combines 16 single diffraction crystals.



Our **actuators MMS19** with non-rotating tip are installed in packs of three. Each pack operates one of the 16 cylindrical curved crystals that generate an X-ray emissions spectrum on a suitable camera.

Our 48 products are aligned in a so-called von Hamos emissions spectrometer.

