

D8 Crystallography Solutions



D8 QUEST and D8 VENTURE are the superior tools for cutting-edge crystallography. From the X-ray source, through the goniometer and detector, to the analytical software they provide the best-in-class solution for your applications.

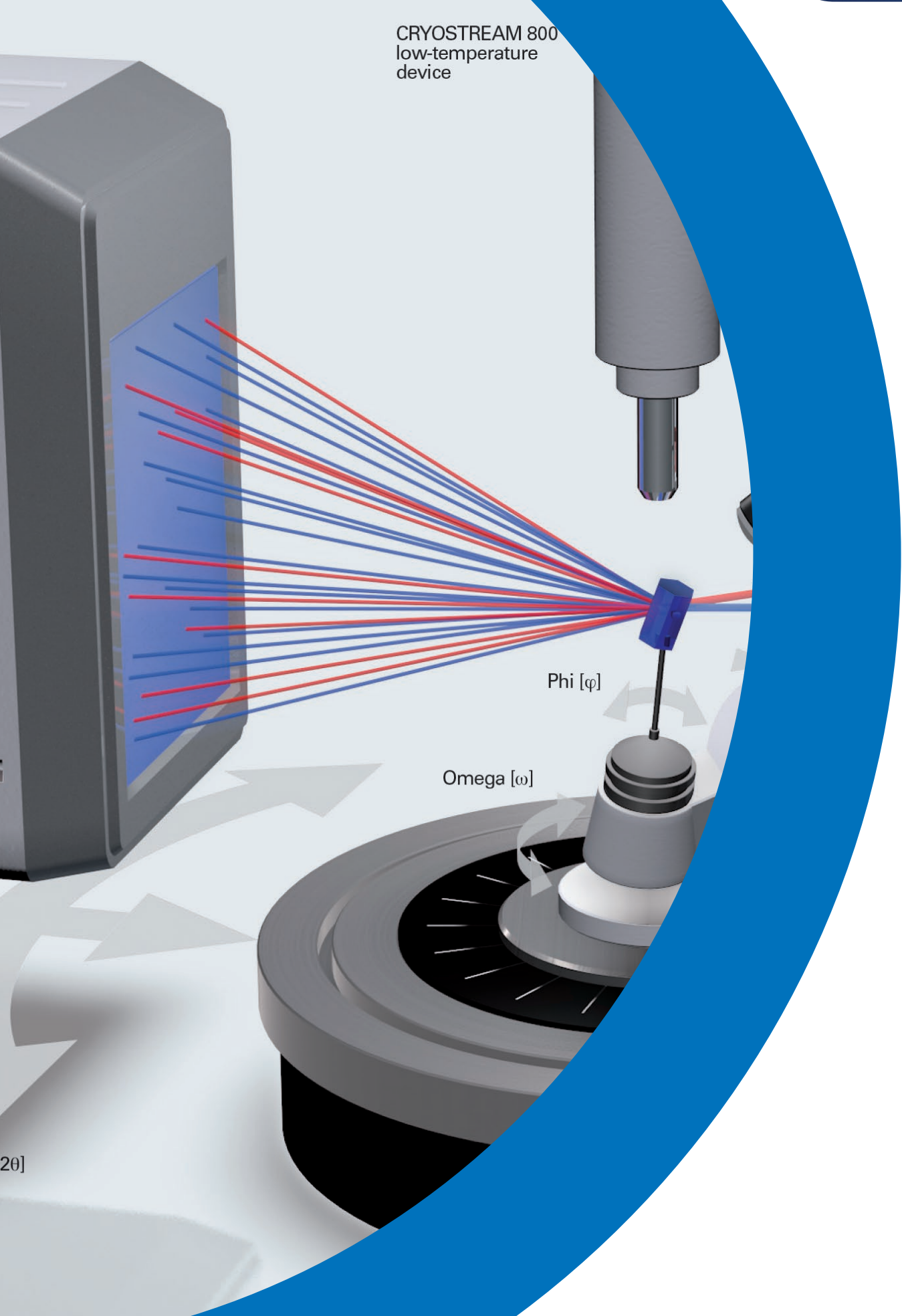
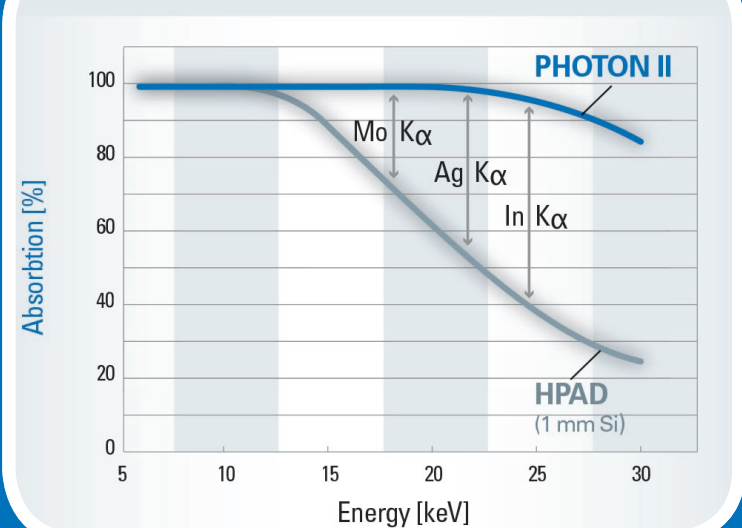


CPAD – Charge-Integrating Pixel Array Detector

The PHOTON II CPAD features the largest monolithic active area of any pixel array, no gaps due to the use of a single wafer-scale silicon sensor, single-photon sensitivity no charge sharing effects, zero counting losses.

Superior CPAD detector

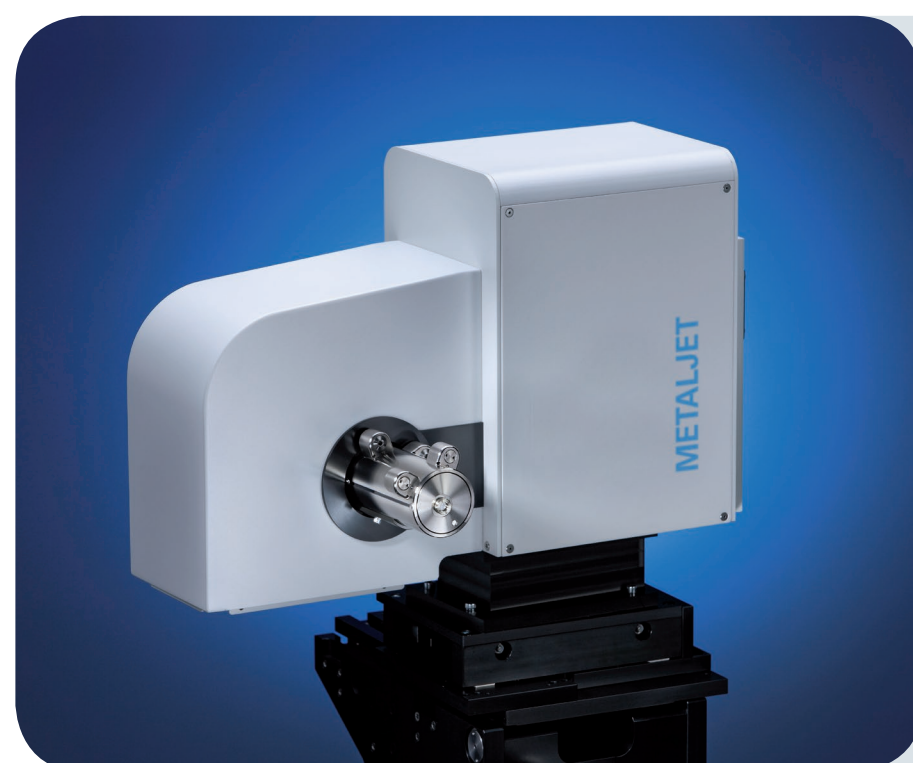
Absorption efficiency of X-rays



CRYOSTREAM 800 low-temperature device

Phi [°]

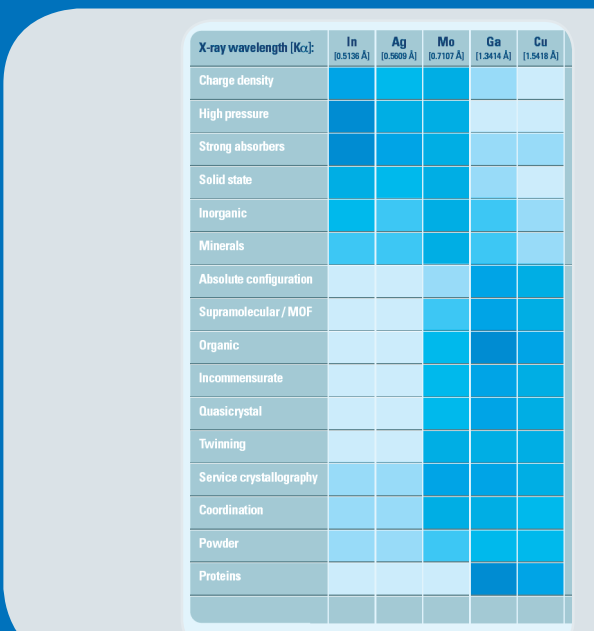
Omega [°]



Riding the Perfect Wave

METALJET, TXS, I μ S and sealed tube deliver best in class beam intensities with Silver (Ag), Molybdenum (Mo), Gallium (Ga), Copper (Cu) and Indium (In) radiation.

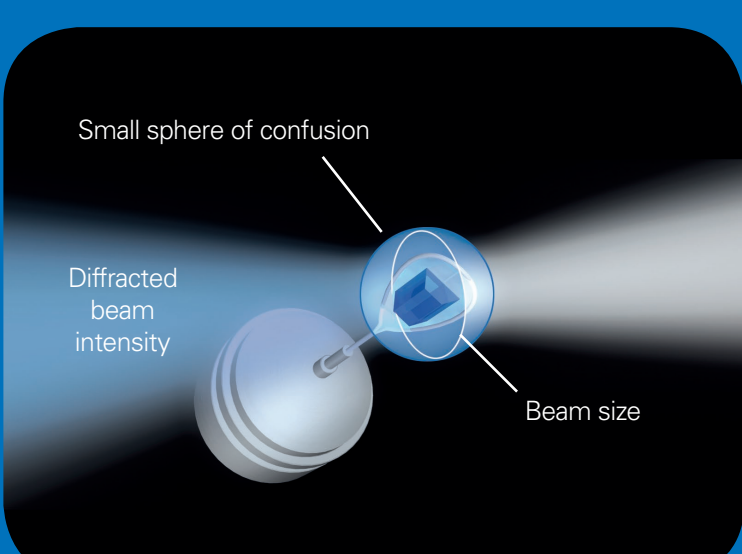
X-ray wavelength suitability



FIXED-CHI or KAPPA? Select your Choice!

The precise and accurate goniometer with a < 7 μ m sphere of confusion perfectly keeps the smallest sample centered in the primary beam.

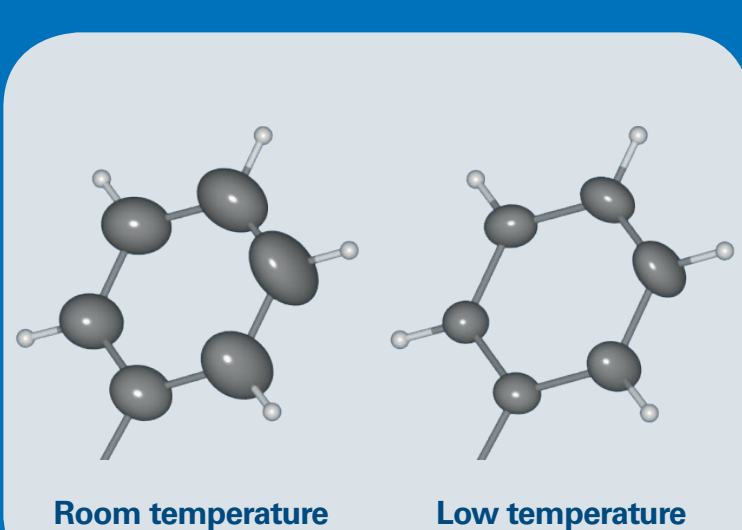
FIXED-CHI or KAPPA Goniometer



Optional Low-Temperature Device

The low temperature device envelops the crystal in a cold nitrogen gas stream. Reduced thermal motion of the atoms increases the crystal's scattering power leading to better quality structures.

Anisotropic displacement ellipsoids at room temperature and low temperature

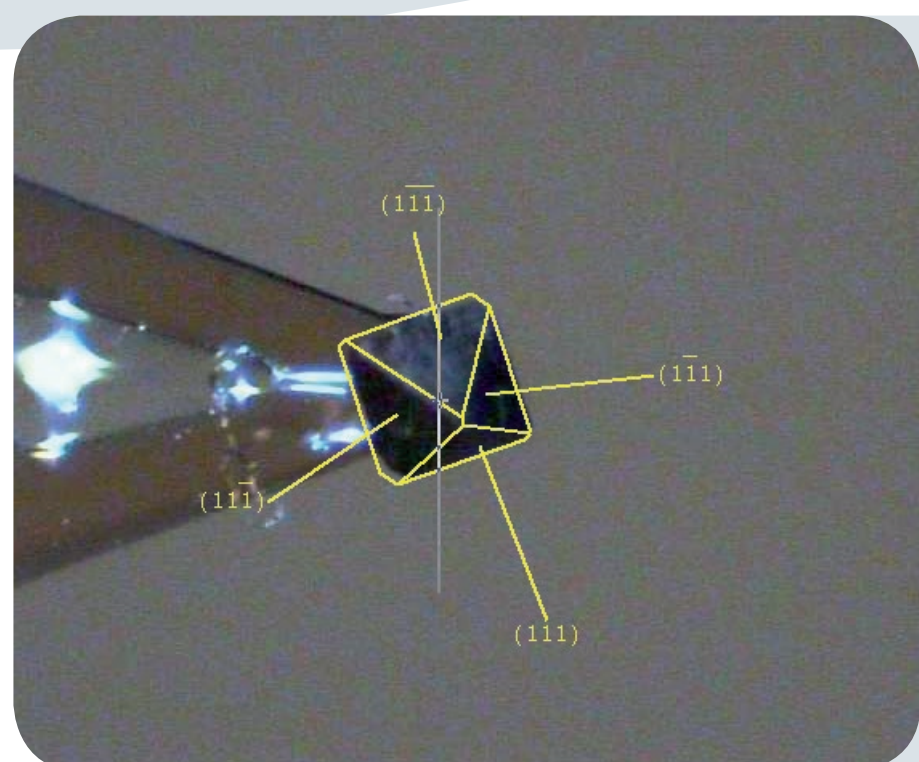
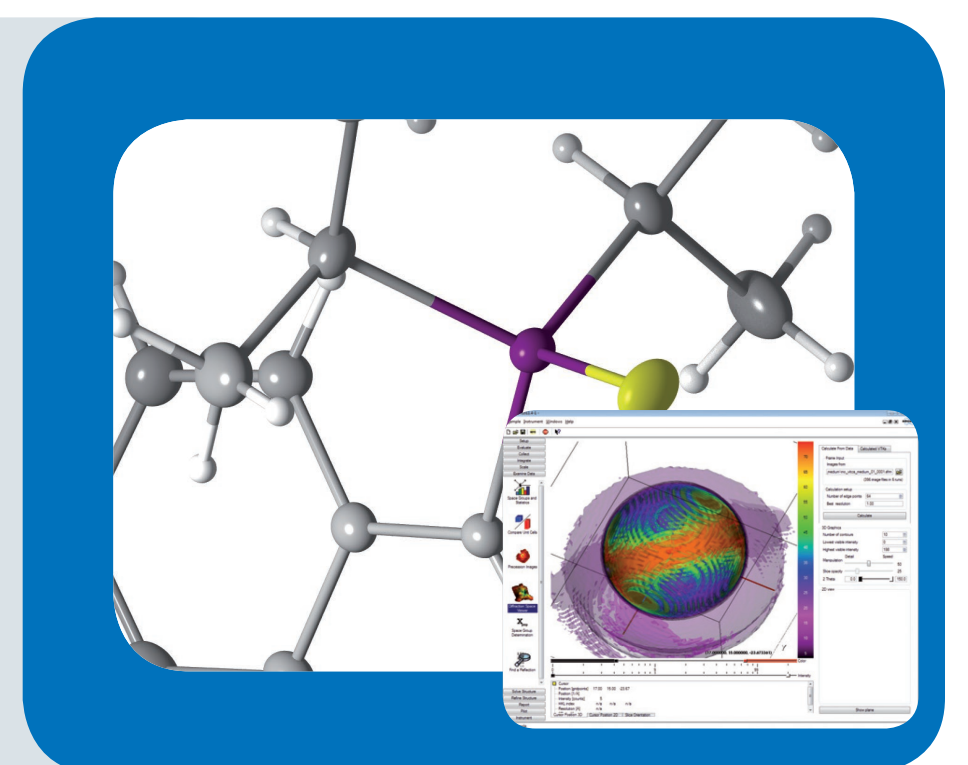


BRUKER

APEX3

Best Hardware + Best Software = Best Structure

Our APEX3 software guides you through the complete experiment requiring minimal input while giving maximum graphical feedback.



Crystallography – Driving Modern Science

