The D8 QUEST and D8 VENTURE are optimized to provide the highest throughput and data quality. Obtain best results for all in-house applications from data collection to crystal screening.

**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.

**Brighten-up Your Home Lab**
The new sources deliver beam intensities comparable to bending magnet beamlines.

**KAPPA GONIOMETER – Collect the best data!**
With our KAPPA goniometer the sample is exposed to a stable, strong primary beam. The sphere of confusion is smaller than 7 micrometers.

**Low-Temperature Device**
The low temperature attachment permits data collection at low temperatures by enveloping a crystal sample in low temperature nitrogen gas.

**Best Hardware + Best Software = Best Structure**
Our PROTEUM3 software guides you through the complete experiment with minimal input and maximum graphical feedback.

D8 QUEST and D8 VENTURE – Bring the synchrotron to your home lab.