

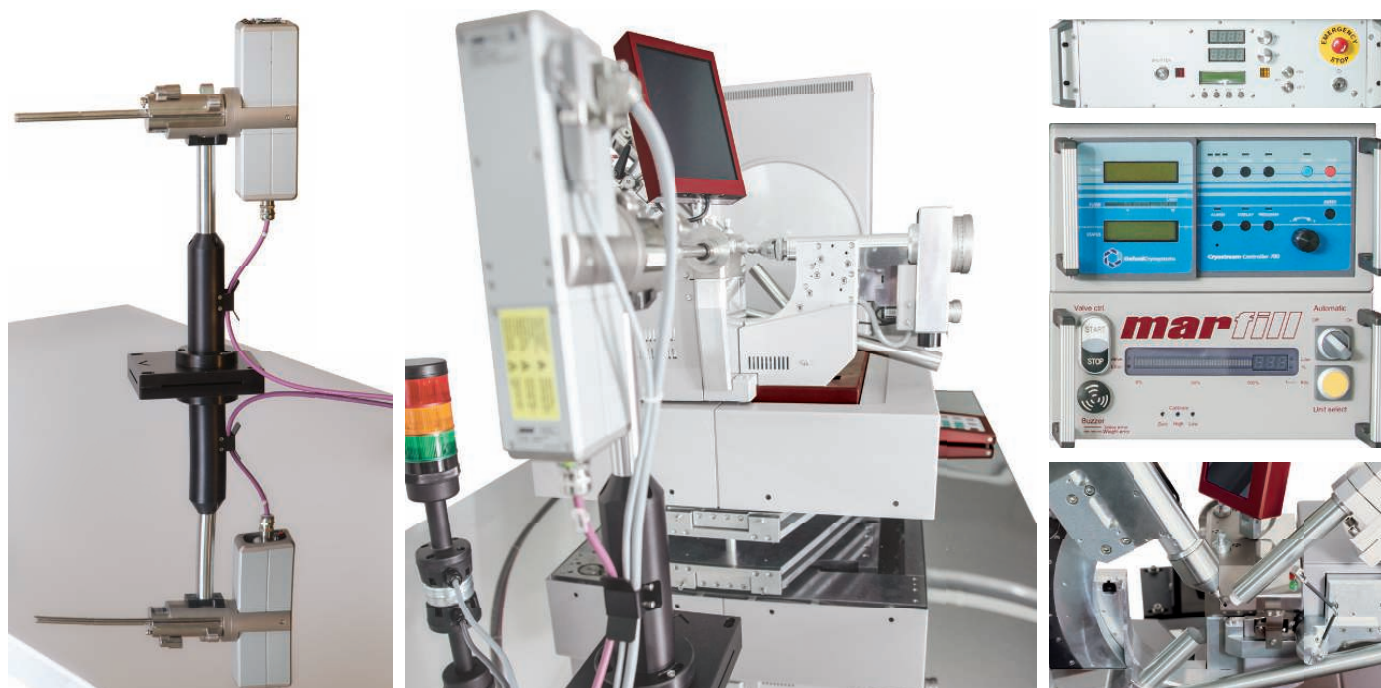
# **mar** $\mu$ X<sup>2G</sup>

Next generation  
turn-key system  
for X-ray crystallography



# mar $\mu$ X<sup>2G</sup> - Next generation turn-key system

**mar $\mu$ X<sup>2G</sup>** is the next generation of our complete turn-key system for X-ray crystallography. It delivers twice as many usable X-ray photons as compared to the previous generation and narrows the gap to modern rotating anodes. **mar $\mu$ X<sup>2G</sup>** consists of the **mar $\mu$ S** micro-beam X-ray generator operating at 30 Watts that does not require cooling. It is equipped with a state-of-the-art multi-layer optic producing a superbly shaped beam with focal point near the sample. Further, it features the new fast **mar345S** image-plate based detector, the well known **mar $\mu$ tb** goniostat and an Oxford Cryostream low temperature unit. The full system is integrated in a functional and stable table with plenty of space for all electronics and attachments.



## SPECIFICATIONS

X-ray source:	<b>mar<math>\mu</math>S</b> micro-beam 50 kV / 0.60 mA with Incoatec multi-layer optic. No water cooling required!
Detector:	<b>mar345S</b> fast image plate detector, 9 to 58 seconds read-out time depending on scan mode and diameter Options: Rayonix CCD-detector SX- or MX-Series, also HS-models
Goniometer:	<b>mar<math>\mu</math>tb</b> 2-axis multi-purpose goniostat with automatic X-ray beam alignment and continuous monitoring of the primary beam intensity Options: built-in motorized goniometer head, <b>easymount</b> goniostat
Cryo-cooler:	Oxford Cryostream 800 liquid nitrogen system with weight based auto-refill system or Oxford Cobra system with liquid nitrogen generator
Experimental table:	Stainless steel magnetic table top and aluminum table frame 1700 mm x 1000 mm x 800 (w:d:h) Options: radiation enclosure with sliding doors and shutter interlock system