

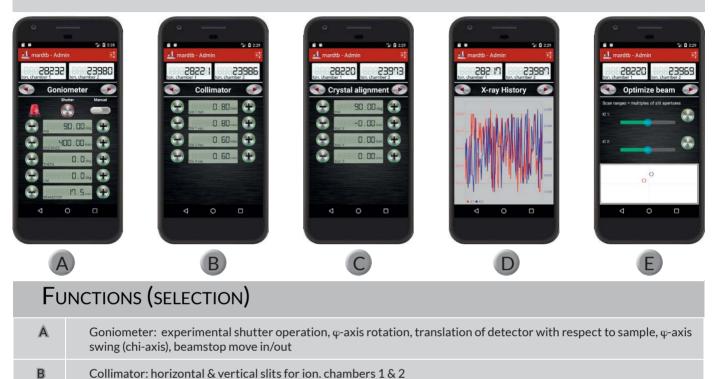
Mobile app for "desktop beamline" goniostat



mardtb - mobile app for "desktop beamline" goniostat

The **mardtb** is a highly versatile goniometer system for general use in X-ray crystallography. Due to an autonomous control system, it can accomodate any X-ray detector, e.g. the **mar 345** image plate or the family of PILATUS3 and EIGER pixel-detectors produced by Dectris. The most striking feature is its high degree of motorization. This includes motors for aligning the entire instrument automatically with the X-ray beam without user intervention.

Now, the **mard** the becomes part of the "Internet of Things" that can be monitored and controlled from mobile apps available for Android and iOS as well as from a web interface.



- **C** Crystal alignment: x,y,z-translation of goniometer head and φ -axis rotation
- D X-ray history: history of intensity readings in ionization chambers 1 & 2
- E Optimize beam: automatic alignment of goniostat with primary beam

AVAILABILITY:

The mobile interface is shipped with new **mardtb** goniostat systems. The mobile app is available from the Google Play Store (iOS app coming soon) free of charge.

Existing owners of a **mardtb** goniostat systems may purchase an upgrade package consisting of:

- controller interface box
- software updates for 1 year
- suitable tablet with preinstalled software

Ask for a quotation!

marXperts GmbH Werkstr. 3 22844 Norderstedt / Germany Tel.: +49 (40) 529 884-0 info@marxperts.com www.marxperts.com

