



Agilent GV1000 X-Ray Diffractometer

EXPERIENCE TRUE BRILLIANCE

The Measure of Confidence



Agilent Technologies

EXPERIENCE TRUE BRILLIANCE

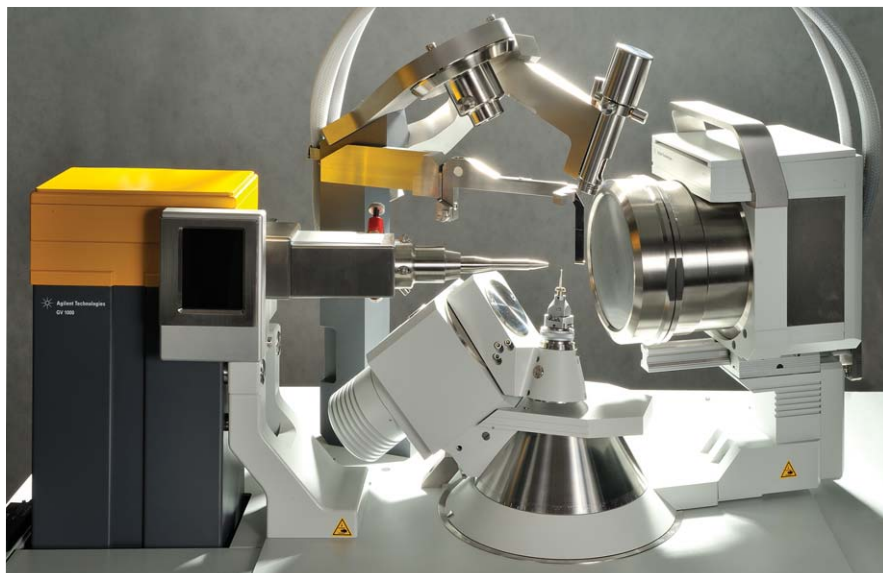
The Agilent GV1000 X-ray diffractometer deploys ground-breaking, micro-focus X-ray source technology for applications requiring high beam intensity and highest data quality. Agilent's unique solution represents a major leap forward in the generation of X-rays, with innovative gradient vacuum technology affording an extremely compact, quiet, high brilliance X-ray source. This advance in technology, combined with Agilent's proven expertise in goniometer and CCD detector design, makes the GV1000 the ideal solution for the ever-changing needs of modern single-crystal diffraction laboratories, and in particular for the demanding requirements of structural biology.

Key benefits

- Novel approaches in all core source technologies—electron beam generation and focusing, vacuum generation and management, plus filament and anode designs
- Gradient vacuum technology
- High brilliance—optimized for the most challenging and weakly diffracting samples
- Allows for electronic, software-controllable X-ray beam size and position
- Designed for simple serviceability—for an overall lower cost-of-ownership

Gradient Vacuum Technology

- Compact size
- Quiet operation
- Fast pump-down after restart
- No rotating seals
- Easy maintenance



GV1000 goniometer complete with X-ray source and Atlas CCD detector



GV1000 X-ray source

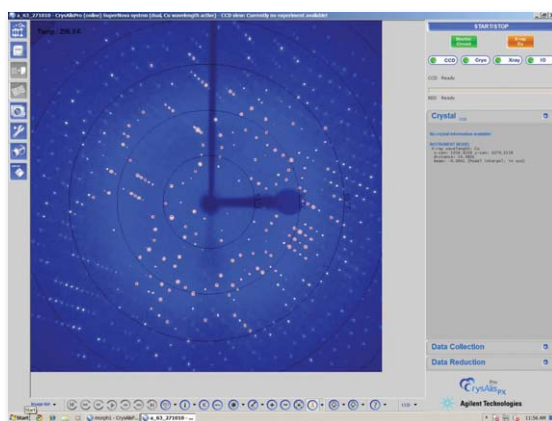
FULLY-INTEGRATED SYSTEM FOR HIGHEST QUALITY DATA IN MACROMOLECULAR APPLICATIONS

Agilent X-ray systems are designed as complete units, with all major components manufactured by Agilent. With precision mechanics, electronics, X-ray sources, CCD detectors and software, Agilent focuses on providing fully integrated solutions offering data of the highest quality for single crystal X-ray crystallography.

- 4-circle kappa goniometer for maximum completeness and fully-optimized, fast data collection strategies
- Simple source alignment—the GV1000 X-ray source is mounted directly on the goniometer
- Choose from our range of fast readout, high sensitivity CCD detectors
- Easy-to-use, fully integrated, software-controlled system
- CrysAlis^{Pro} PX—user-friendly software platform for crystal screening, data collection and data reduction, including data export in multiple formats for use in your choice of processing package



GV1000 X-ray diffractometer



CrysAlis^{Pro} PX—dedicated protein configuration

Applications

Molecular Replacement (MR)	Screening	Ligand binding	SAD or Heavy Atom Phasing	RNA/DNA

Learn more

www.agilent.com/lifesciences/GV1000

Contact Agilent's X-ray Crystallography sales team

xrdsales@agilent.com

Find an Agilent customer center

www.agilent.com/chem/contactus

USA and Canada

1-800-227-9770

agilent_inquiries@agilent.com

Europe

info_agilent@agilent.com

Asia Pacific

inquiry_lsca@agilent.com

This information is subject to change without notice.

© Agilent Technologies, Inc. 2012
Published in the USA, July 24, 2012
5991-0830EN



Scan the QR code
with your smartphone
for more information



Agilent Technologies