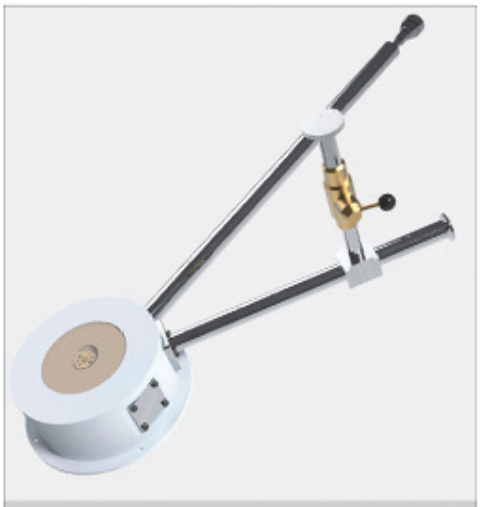
Almax·easyLab
science under pressure

Products

Diacell® ST-DAC System



Diacell® ST-DAC System

Continuous flow cryostat for high pressure microscopy.

► The Diacell® ST-DAC consists of a Janis ST-500 continuous flow cryostat with an integrated CryoDAC-ST diamond anvil cell.

► The system enables high pressure work up to above 20 GPa and down to temperatures as low as 3.5 K.

► The system is a turn-key solution for microscopy, imaging, and high spatial resolution photoluminescence at low temperatures and high pressures..

► The cryostat combines low thermal-expansion support structure and internal vibration isolation resulting in nanometer scale vibration and drift levels

► The geometry offers a short working distance (for use with high magnification optics), and permits mounting on common microscope stages and translators..

► A temperature controller is a recommended option.

RELATED PRODUCTS:

- Diacell® CCS-DAC System
- Diacell® CF-DAC System
- Diacell® PT-DAC System
- Diacell® CryoDAC-ST
- Optiprexx Ruby Lux
- Optiprexx PLS
- Diamond Anvils

RELATED ACCESSORIES:

- Gasket Blanks
- Ruby Powder and spheres
- Support Plates

Technical Specifications:

Cryostat	Continuous-flow, Janis ST-500
Temperature Range	3.5 - 400 K
Diamond Anvil Cell	Diacell® CryoDAC-ST
Pressure Mechanism	Screw-driven
DAC Top Angle	52° Conical along vertical axis (DAC)
DAC Bottom Angle	17° Conical along vertical axis (DAC)
DAC Diameter	25 / 32 mm approximately
DAC Height	37 mm approximately

Specifications subject to change without prior notice.
easyLab and Diacell are registered trademarks of Almax easyLab Ltd.

www.almax-easyLab.com

For US, Canada and Latin America
Almax easyLab Inc.
485 Massachusetts Avenue
Suite 300
Cambridge, MA 02139-4018
USA
Ph: +1 857 445 0045

For Europe, Middle East and Africa
Almax easyLab bvba
Wagenmakerijstraat 5
8600 Diksmuide

Belgium
Ph: + 32 51 55 56 37

For Asia and Oceania
Almax easyLab Ltd
Science and Technology Centre
University of Reading
Whiteknights Road
Reading, RG6 6BZ, UK
Ph: +44 (0)118 935 7272

THE BRITISH ASSESSMENT BUREAU
ISO9001
Certification No. 180384

ML13_45