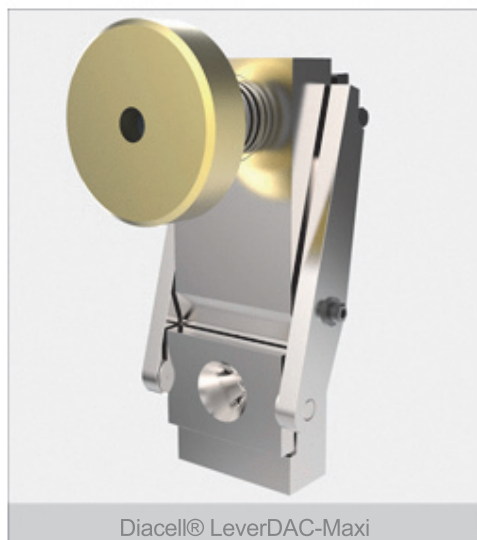


Products



Diacell® LeverDAC-Mini

RELATED PRODUCTS:

- Boehler microDriller
- Diacell® LeverDAC-Maxi
- Diacell® LeverDAC-Mega
- Optiprex PLS
- Diamond Anvils

RELATED ACCESSORIES:

- Heaters
- Gasket Blanks
- Ruby Powder and Spheres
- Support Plates

## Diacell® LeverDAC-Mini

Lever arm driven diamond anvil cell for optical work.  
Part of the Diacell® LeverDAC Series.

- ▶ The Diacell® LeverDAC-Mini is based on a leverage mechanism designed to bring the diamond anvils together. This is the original design of diamond anvil cells.
- ▶ The cell is specially suited for any high-pressure optical studies and it has a numerical aperture of 0.44.
- ▶ The anvils are mounted mechanically by force fitting them into rings, which then are screwed to their seats. This is a unique feature of Diacell® diamond anvil cells.
- ▶ The lever arm drive unit can be disconnected from the cell to facilitate interfacing to spectrometers.
- ▶ An internal resistive heater and thermocouple are optional. These enable the operation of the LeverDAC-Mini to temperatures of the order of 500°C.
- ▶ Maximum pressures of up to above 30 GPa may be obtained with the Diacell® LeverDAC-Mini.

Technical Specifications:

Cell Material	Stainless Steel AISI 440C
Anvil Seat (support plate)	Tool Steel - integrated
Pressure Mechanism	Lever Drive
Top Angle	52° Conical
Bottom Angle	52° Conical
DAC Length / Width	120 mm / 63 mm
DAC Height	25 mm (at cell)
Working Distance to Sample	6 mm

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

[www.almax-easyLab.com](http://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

