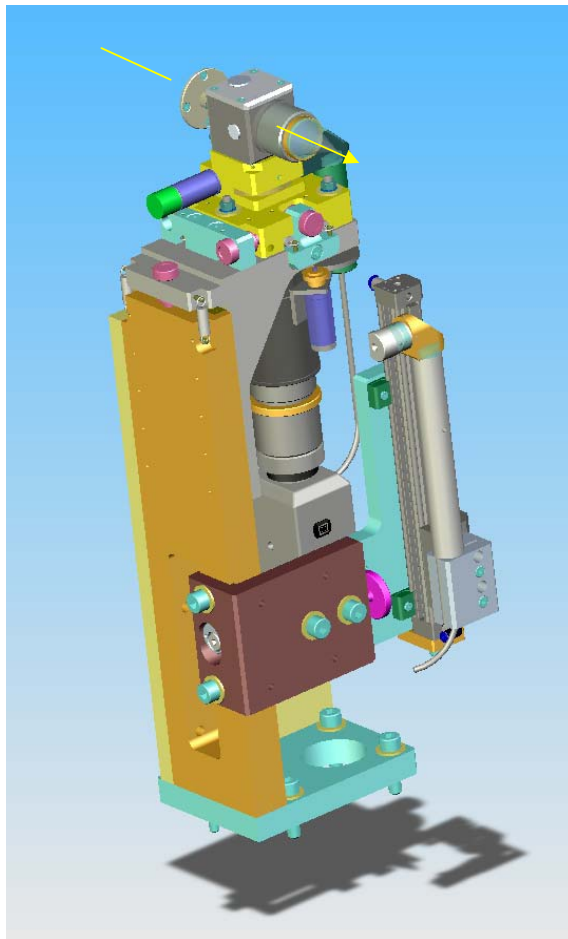


EMBLEM Technology Transfer GmbH, MAATEL Ingénierie et Production Electroniques and Bruker ASC are cooperating on the MD2 Microdiffractometer and other instrumentation for protein crystallography developed at EMBL, Grenoble and ESRF. Bruker ASC is very pleased to exclusively promote these products worldwide.

## On-Axis Visualization Video Microscope



- Line-of-sight along beam eliminates parallax errors
- Designed for precision sample centering
- High resolution
- Optional on-axis polarized LED lighting for sample illumination
- Optional 3D support table for mounting to any endstation
- Optional reflected lighting for in situ sample viewing

### Concept

The on-axis visualization video microscope (OAVM) images the sample with high resolution and high magnification along the x-ray beam axis to eliminate parallax errors. Sample illumination can also be provided along axis. This geometry increases the precision to which the sample can be centered at the beam position.

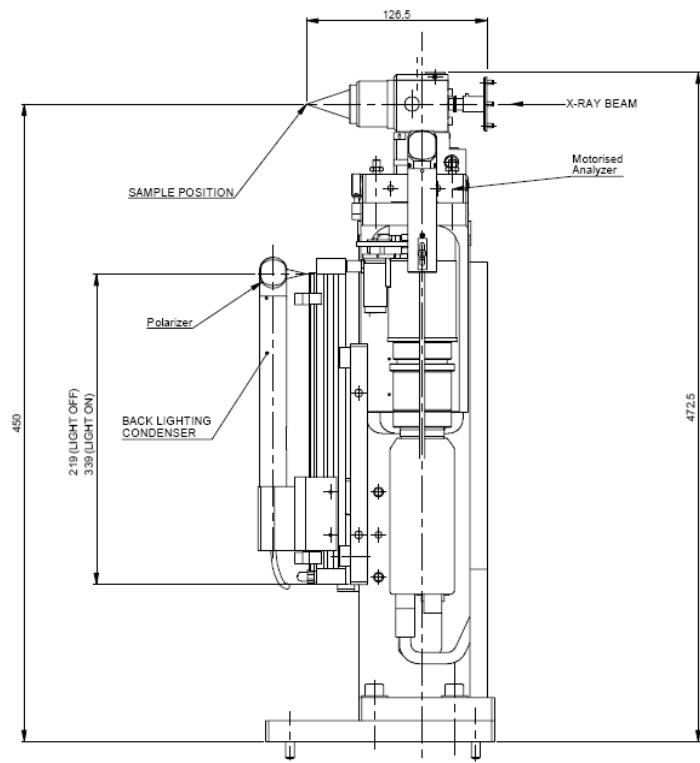
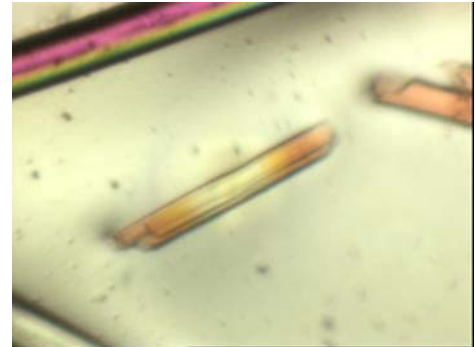
### Specifications

- High resolution (0.28 N.A) objective
- Field of view: About 1.8 x 1.5 mm<sup>2</sup> to 0.18 x 0.12 mm<sup>2</sup>
- Motorized 12X Zoom
- PAL colour camera with RS232 control and 576x768 pixels display
- Size: 370 mm x 100 mm x 90 mm
- Image acquisition option

### Options

- 3D support table to adapt OAV to any endstation
- LED-based Transmitted Lighting Unit to illuminate the sample on-axis in transmission
- Reflected Front Lighting Unit to illuminate the sample in reflection for viewing during data taking
- Motorized Analyzer assembly
- Image acquisition tools
- gigE camera optionally

12µm needle  
(after exposure to x-rays)



Dimensions subject to change

**Bruker ASC**

**A former ACCEL Instruments Business**

### Please contact:

Dr. Chitra Venkataraman • Bruker ASC • Friedrich Ebert, Str. 1 • 51429 Bergisch-Gladbach  
Phone +49 (2204) 84-3837 • Fax +49 (2204) 84-5001 • E-Mail [chitra.venkataraman@bruker-asc.com](mailto:chitra.venkataraman@bruker-asc.com)