



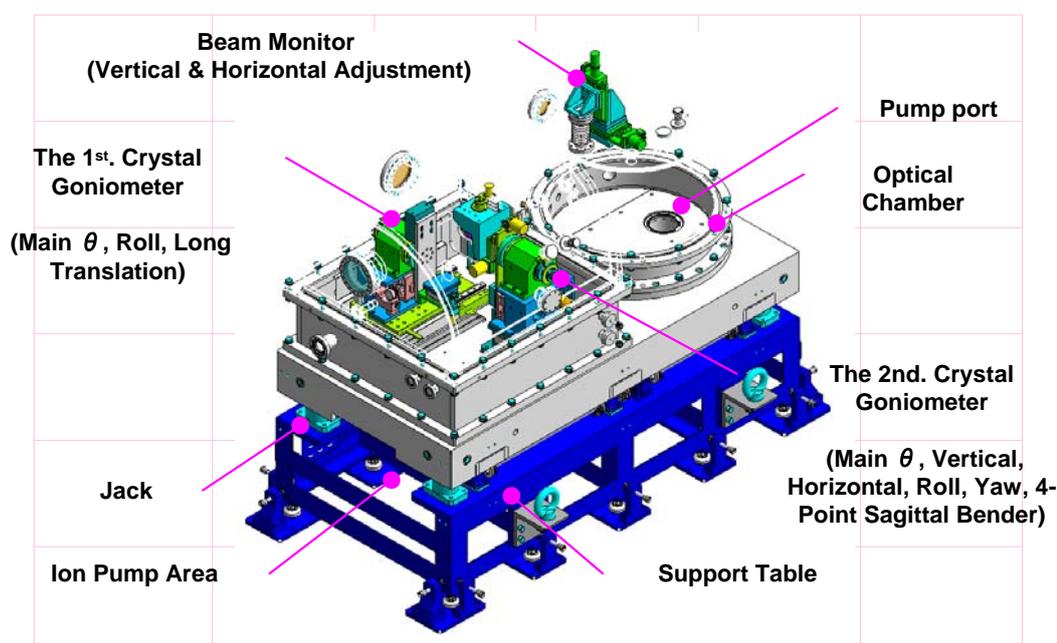
DCM for Protein <SMS-6>

This optical concept and the experimental environment are optimized for stability and reproducibility combined with a high degree of flexibility.

Swiss Light Source Protein BL DCM.



Inside View



Specifications

Model	SMS-6
Beam Height	1400 mm
Beam Offset	50 mm Upward
Bragg Angle Range	5.6 – 21.75 degree
Bragg Angle Stability in 24 hours	2 arcsec
Angular Resolution	0.05 arcsec
Angular Repeatability	1 arcsec
Crystal Parallelism	0.5 arcsec
Vacuum Pressure	2 x 10E-7 mbar
Baking Temperature	130 degree C
Dimension	1230 x 2464 x 2101.8 (W x L x H : mm)

Features

- ◆ The optical system consists of a monochromator part and a focusing mirror part on the same optical table.
- ◆ A monochromator part is inside the upstream chamber and consists of two independent rotation goniometers and a long translation stage, which work as a fixed-exit double crystal(Si) monochromator.
- ◆ The 1st crystal is cooled by liquid Nitrogen in order to eliminate high heat load from an undulator.
- ◆ A 4-point bending mechanism, which is under license agreement with Swiss Light Source, is mounted on the 2nd crystal part for horizontal focusing.
- ◆ A focusing mirror part is inside the downstream chamber and consists of a mirror bending mechanism for vertical focusing.

Kohzu Precision Co.,Ltd.
Tel: +81-44-981-2131
Fax: +81-44-981-2181
Email:sale@kohzu.co.jp
URL://www.kohzuprecision.com