ADDITIONAL EQUIPMENT



◆ DIAGNOSTIC GAS CHAMBER

The diagnostics gas cell has an arrangement for calibration of the spectral resolution of the monochromator.

PUMPING CHAMBER >

UHV chamber with ion pump can be used for pumping of selected sections of synchrotron installation. The chamber can contain diagnostic equipment (e.g. fluorescent screen).

BEAMLINE PIPING

Piping, as a standard part of the beamline installation, are transmitting the synchrotron beam between chambers and equipment. Piping is mounted on special stands with reduced vibration.



SOFTWARE CONTROL A

RAPID SE is rapid lab environment system builder for scientists, offering many useful features in areas of recipe/process creation, data acquisition and complete system control.

We supply an intuitive, easy-to-use and reliable software control for end station applications, with the ability to control critical parameters in real time.

We provide integration with TANGO and other control systems.



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BAKEOUT SOLUTIONS

There are several solutions for bakeout procedures on the various beamline installations, e.g. double isolated aluminum tents with heaters, heating jackets or flexible tapes. Bakeout method depends on the specific installation conditions.



MOBILE PUMPING STATION A

We deliver also a mobile pumping systems. (please ask for a dedicated brochure)

LOCAL CONTACT:





UHV SYSTEMS FOR BEAMLINES

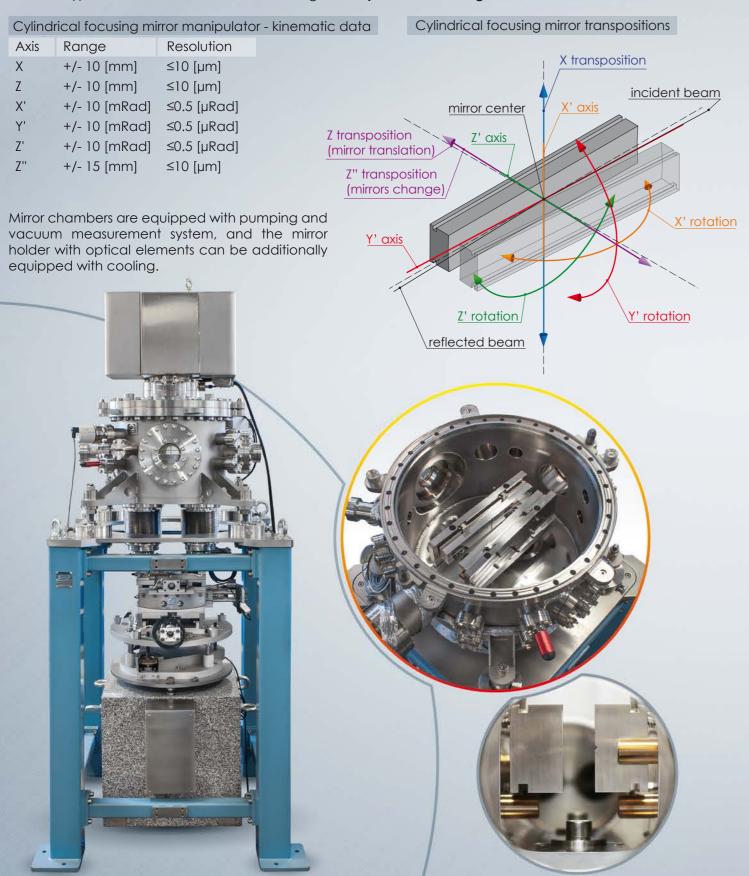
PRECISION AND VACUUM TECHNOLOGY



MIRROR / GRATINGS SYSTEM

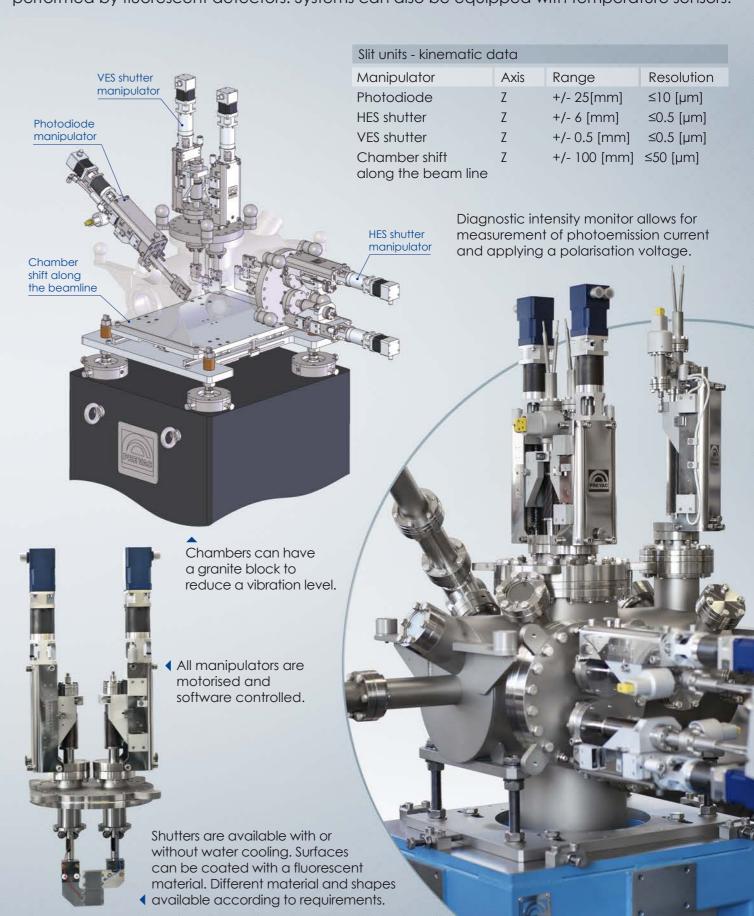
Vacuum mirror chambers are situated along the synchrotron beam line. Mirrors are located inside the chamber and mounted on a vibration isolated special holder which is moved using a multi-axis manipulator in order to determine the correct direction of the beam.

Different types of chambers can be offered, e.g.: with cylindrical focusing mirror.



SLIT UNIT & DIAGNOSTIC SYSTEM

Horizontal and vertical shutters, positioned inside the vacuum chamber, are translated via a single axis manipulator in order to adjust the shape of cross-sectional area of the beam. The diagnostic system includes a fully automated high precision monitor of the beam intensity and beam position, which utilises a photodiode or gold mesh. Beam profile imaging is performed by fluorescent detectors. Systems can also be equipped with temperature sensors.



PRECISION AND VACUUM