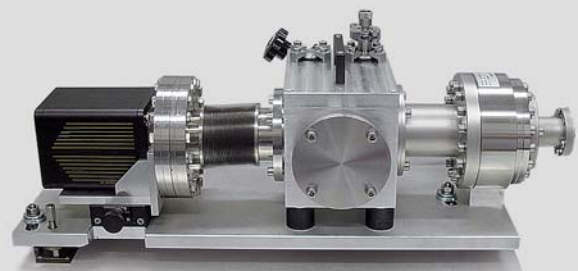


- for soft X-ray and EUV
- Easy use, straight forward adjustment of light source
- Level image plane, low stray light, aberration corrected optics
- Time saving, no readjustment after grating change
- Modular, upgrade to complete measuring tool with the ML7310 vacuum slit, ML3214 camera, ML7320 energy monitor - all mountable on cart
- Adjustment wheel (for manual control of slit width from 0 to 400 μm) and locking mechanism
- Customized designs on request



Everything can be improved • We give you a tool to be faster

Optical specifications

Type:	Grating spectrograph with level image plane
Optical components:	Aberration corrected imaging reflection grating
Entry:	2° tilt adjustment for grating
Spectral range:	1 to 21 nm (several gratings)
Spectral resolution:	> 600 (depends on selection of grating, source and detector)
Object width:	app. 237 mm
Image width:	app. 235 mm
Spectrum length:	app. 25 to 30 mm
Spectrum width:	up to 27 mm (adjustable with optional ML7300 vacuum slit)

Generous alignment range for camera in image plane; about 50 mm with micrometer adjustment (1 μ m at 10 nm). Zero order is available for imaging and calibration.

Mechanical specifications

Light entry flange:	DN100-ISO-CF
Light exit flange:	DN63-ISO (K)F or DN 6.75 inch CF
Vent:	DN16 needle valve, included
Pump flange:	DN63
Access for calibration:	DN63
HV compatible:	all materials HV compatible stainless steel and aluminium
Dimensions:	760 x 430 x 405 mm ³
Weight:	about 36 kg

Rotation and tilt can be adjusted with locking micrometers.
The pivot point is located on the image plane.

Accessories

- Gold coated gratings on request
- Additional mounts for gratings (recommended for fast exchange of gratings, saves realignment)
- Application specific cameras from Roper Scientific or metrolux
- Vacuum slit ML7310 (option to use system as spectrograph)
- Vacuum flanges to adapt custom designs on request
- Calibration laser and slits for easy alignment of gratings
- Software beamlux II
- PC or laptop
- Laser synchronization device or trigger box
- Lab cart with adjustable height (900 mm x 750 mm x 800 mm)