

Articulated Mirror Arm



The articulated mirror arm is an integrated light guide for delivering controlled laser illumination to your experiment. This beam delivery solution is particularly effective in cases when the laser needs to be kept away from the experiment due to space constraints or hostile conditions. In addition, the optical alignment of the laser-arm assembly is highly stable, while offering full flexibility. The arm interfaces to the laser via a stable mounting block. Together with a light sheet optic, this versatile and self-contained solution safely delivers high power laser pulses to your experiment. This makes it an ideal solution for (automated) light sheet traversing.

Main Features:

- Simple setup and alignment
- High mechanical stability
- Safe beam containment between laser and experiment
- 360 degree orientation and positioning of the light sheet
- UV range capable

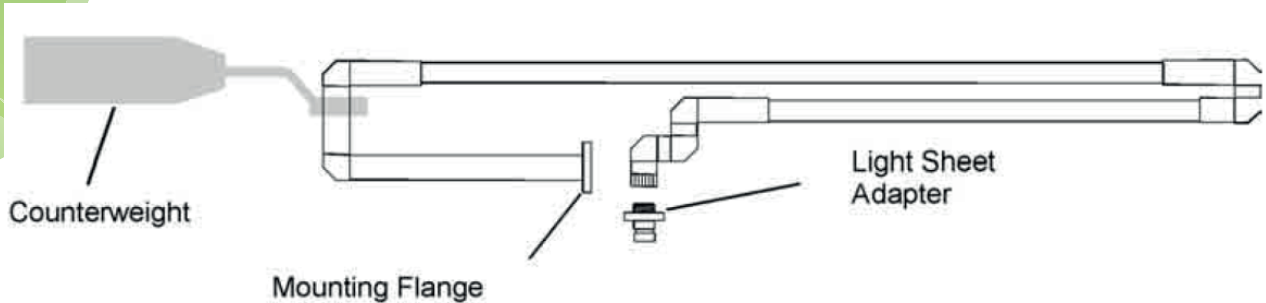
Data Sheet
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Articulated Mirror Arm

Specifications



Arm

Dimensions :	Fully deployed length 2000mm
Weight :	3 kg
Counterweight(*) :	8 kg
Degrees of Freedom :	6
Mirrors :	6x 45 degree mirrors, rated to 4,5 J/cm ²
Clear aperture :	15 mm

(*) Spring balancing option available on request

Base Block

Dimensions :	112 mm x 92 mm x 101 mm
Beam entry height :	27 mm
Weight :	ca. 5 kg
Beam adjustment :	45 degree steering mirror, 2 axis adjustment
Anti-reflection coating :	Rated to 4,5 J/cm ²

Accessories

- Adapter for light sheet optics
- Beam alignment tool

Options

Automatic light sheet traversing system

Light Sheet Optics

The articulated mirror arm interfaces with the complete range of ILA light sheet optics

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