

PHOTONICS TECHNOLOGIES

Design your own mirror mounts

Mirror Mounts are ideal for beam delivery for any experiment utilising free space laser paths. There are high stable variants for alignment critical applications. Available in different varieties (e.g. open or closed back plate, left-hand or right-hand version) and colours designed to your specific needs.

STAR, PLANET AND ASTEROID SERIES



The mirror mounts are manufactured to exceptionally fine tolerances and provide a new benchmark for stability and precision.

- Each 170 turns-per-inch (TPI) adjuster has a thread pitch of 0.15 mm and is fitted with knurled head with an additional hexagon socket for easy adjustment by hand or allen key. This ensures a very precise adjustment of the optical component.
- Constructed from specially treated materials in order to prevent movements due to mechanical stress and changing temperatures.
- There is a choice of thicknesses of the opto-mechanics front and back plate
- The highly stable front and back plates, together with either 2 or 4 powerful springs, ensures exceptional performance and long-term stability of the mounts.
- Available with 2 or 3 adjusters, the 3-adjuster option enabling precise horizontal positioning of the optic.

STAR SERIES

The SR050

- Compact small footprint version.
- Excellent for compact setups in tight spaces, while ensuring remarkable stability.

The SR100

- Manufactured from special stress free aluminium, these mounts offer the highest quality and stability.
- Also available with thicker back plates, and stainless steel M8 adjusters.



The SR200

- Mounts designed for holding optics from 2" to 12" diameter.
- Special variants are available with the front plate nested in the back plate to maximise the clear aperture for an angled beam.

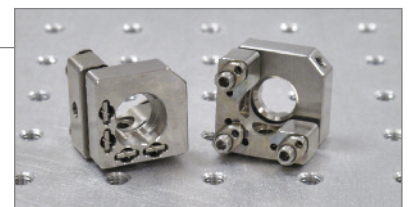


PLANET SERIES

- The PL050 is a compact small footprint version most useful for 0.5" optics. It's excellent for compact setups in tight spaces, while ensuring remarkable stability.
- The PL100 is our standard mirror mount size, most useful for 1" optics.

ASTEROID SERIES

- Has fine thread screws made of titanium to be used for OEM applications.
- The back plate, front plate and adjusters are manufactured in stainless steel to compensate for thermal expansion and to reduce wear.
- This series also has a locking system for the fine thread screws.



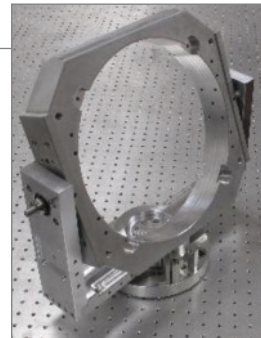
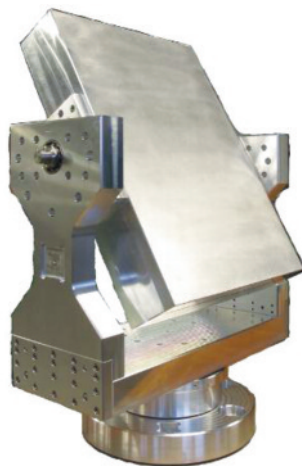
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Mirror Mounts for your large-sized optics.
Typical application for the Antares series is beam steering in compressor chambers of ultrahigh power laser systems.

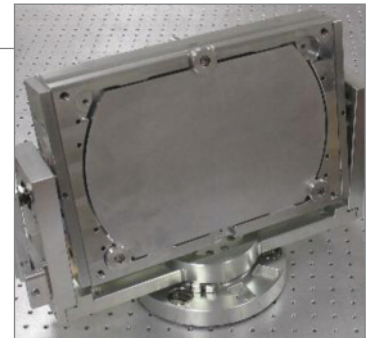
ANTARES SERIES

ANTARES SERIES

- Gimbal design.
- For large optics according to customer demand.
- Adjustment by 170 TPI fine thread screws (standard).
- Available with piezo drive.
- Suitable for high vacuum applications.

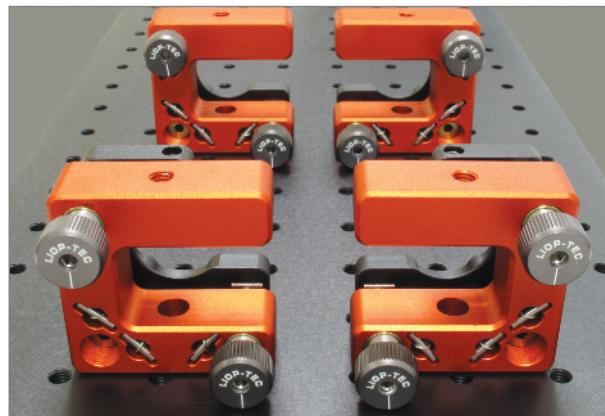
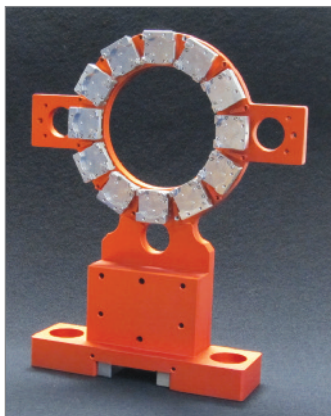


ANTARES - O



ANTARES - DD

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