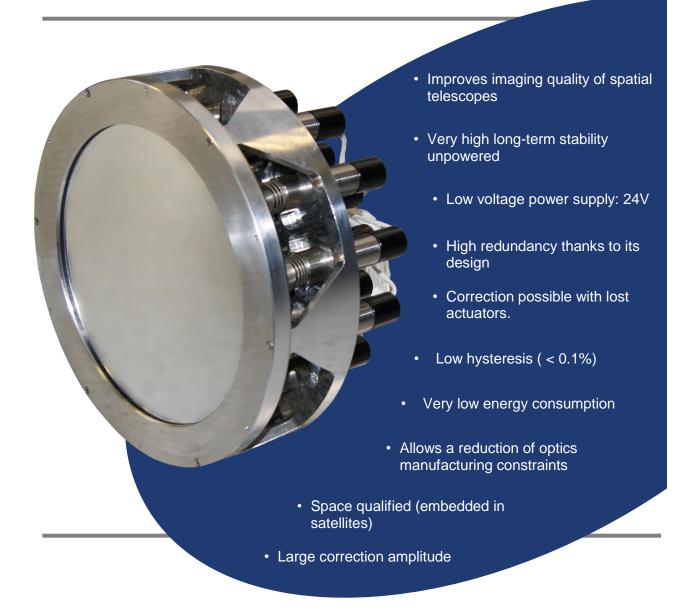


MD-AME SPACE

Deformable Mirror dedicated to wave-front correction in Space applications

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MD-AME Space mirrors use µAME-Space* actuators for wave-front correction: the optical surface keeps its shape even when the system is unpowered.



*µAME : Micro Strength Actuator patented by ISP System



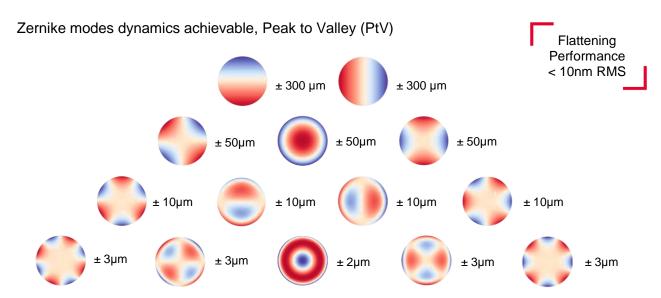
MD-AME SPACE

Deformable Mirror dedicated to wave-front correction in Space applications

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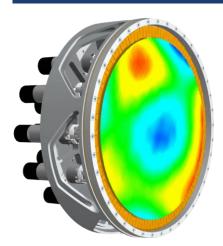
Example Features: MD85-C-31-SPACE

- · Working pupil : Diameter 85 mm
- · Metallic coating
- · 31 actuators (µ-AME12-Space)
- · Zernike order 4
- · Size Ø180 x 100mm (excluding connectors)
- · Weight 4kg



PtV dynamics are related to a diameter 85mm circular aperture. Depending on the modes, the rms residual wave-front errors represent between 0.1% and 1% of the correction.

Custom solutions



Thanks to its experience and skills, ISP System offers services to design custom solutions in order to meet your requirements. The main customable features are:

- · Actuators quantity and Pattern
- Achievable Zernike modes dynamics and order
- Aperture size and angle of incidence, from 0° to 45°
- Optical surface coating (wavelength, damage threshold, reflectivity...)
- Redundant Windings

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