

AMOS YOUR PARTNER

FOR HIGH PRECISION OPTICAL & MECHANICAL SYSTEMS
FOR SPACE BASED INSTRUMENTATION
AND GROUND BASED TELESCOPES



SPACE BASED INSTRUMENTATION



SPACE INSTRUMENT INTEGRATION

FLIGHT HARDWARE

Space-qualified hardware for earth observation or deep space missions

- Space optics with sub-nanometer roughness and low wavefront error
 - Mirrors in Al, SiC, Zerodur, etc.
 - Flat, concave or convex diffraction gratings, single- or multi-blazed
 - Free-form optics
- Opto-mechanical subsystems, optical benches, TMA, telescopes, hyperspectral instruments
- Mechanical subsystems: instrument structures, mobile parts, slits, etc.



DIAMOND-TURNED ALUMINUM MIRRORS



MIRROR POLISHING



TMA FOR PROBA V

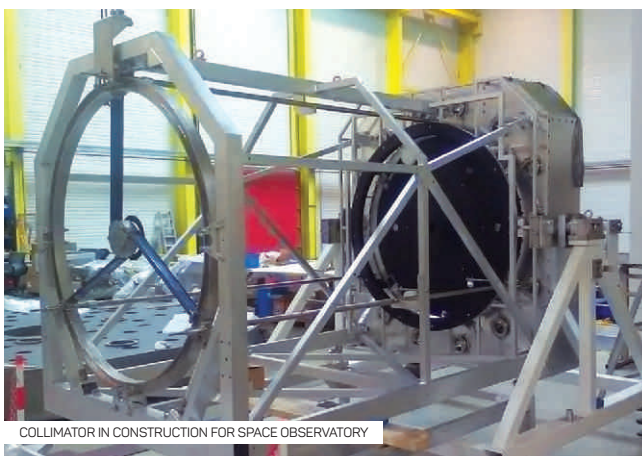
TEST FACILITIES AND GROUND SUPPORT EQUIPMENT

- Space simulators : thermal-vacuum chambers, thermal shrouds, sun simulators, optical benches
- Optical Ground Support Equipment (OGSE) : collimators, optical flats, mirrors, optical test benches etc.
- Mechanical Ground Support Equipment (MGSE) : handling systems, hoisting platforms, trolleys, frames, etc.



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AMOS HAS BEEN CONTRIBUTING TO NUMEROUS MISSIONS IN SPACE: EARTH OBSERVATION, DEEP SPACE MISSIONS, SPACE TELESCOPES.



COLLIMATOR IN CONSTRUCTION FOR SPACE OBSERVATORY



SPACE SIMULATOR

GROUND BASED TELESCOPES



PANSTARRS TELESCOPE (HAWAII)

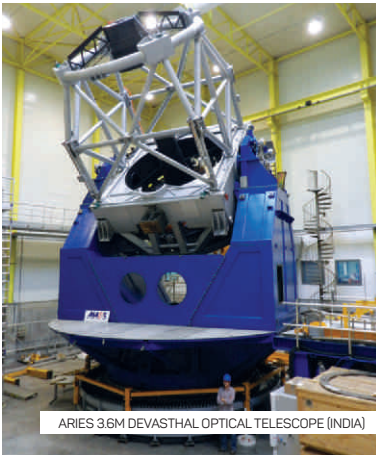


MIRROR POLISHING



© ESO

AUXILIARY TELESCOPES FOR VLT INTERFEROMETER (CHILE)



ARIES 3.6M DEVASTHAL OPTICAL TELESCOPE (INDIA)

ASTRONOMICAL TELESCOPES

AMOS delivers turn-key medium and large telescopes for professional astronomy. The most recent technologies are used, such as thin mirrors, active mirror cells, adaptive optics, etc. Telescopes are built according to your specification to make the most out of your budget.

AMOS designs, builds, tests, installs on-site and commissions the telescope for you. Telescopes are of any type: on-axis, off-axis, equatorial, alt-az, interferometer units, etc.

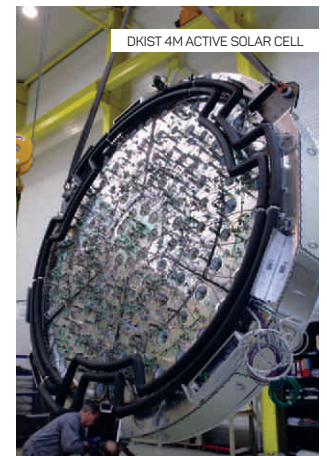
AMOS also works on telescope parts. It polishes in-house telescope optics, or builds telescope subsystems like rotators, focal planes, mirror cells, cable wraps, etc.

SOLAR TELESCOPES

As full system integrator, **AMOS** masters all optical, mechanical, electrical and thermal aspects of solar telescope design, manufacturing and commissioning.



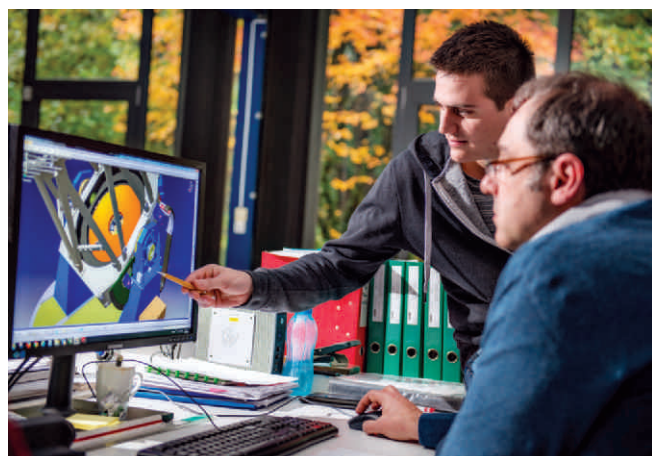
MAST UDAIPUR SOLAR TELESCOPE (INDIA)



DKIST 4M ACTIVE SOLAR CELL



DKIST 4M ACTIVE SOLAR CELL DURING ASSEMBLY. THIS WILL BE THE LARGEST SOLAR TELESCOPE IN THE WORLD.





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