

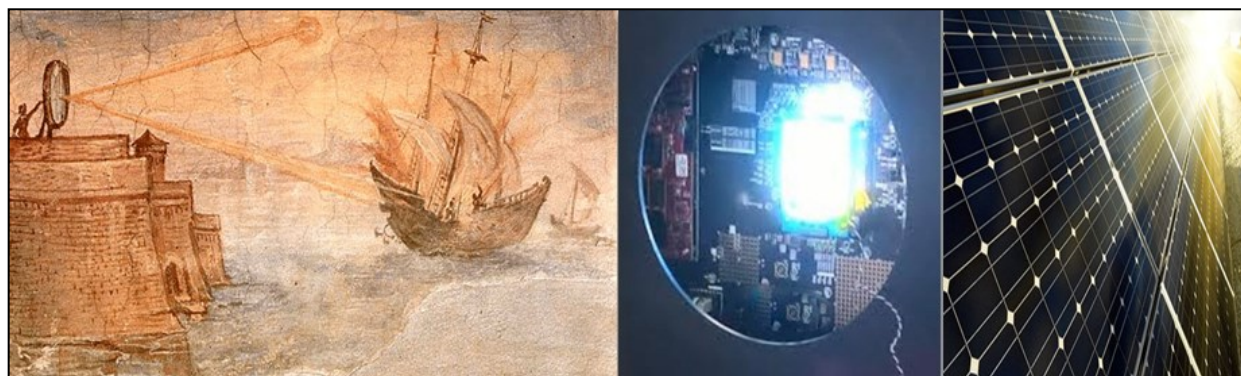
## SOLAR RADIATION TESTS

Accelerated ageing of the components with solar simulator

### DESCRIPTION

The solar simulator designed and built by **AdvEOTec** is capable of providing solar exposure over several dm<sup>2</sup> with a high directivity (0.5°) and allows to reach the equivalent of 5 suns over several cm<sup>2</sup>.

It enables the accelerated ageing of your materials (solar cells, plastics, glass architectures, optical systems, etc.). Associated with our range of climate chambers, vacuum chambers and other accessories, **AdvEOTec** carries out these tests under various perfectly controlled conditions: temperature variation, humidity, secondary vacuum, change of exposure - orientation, diurnal cycle, ....



### Component types :

- Solar cells
- Plastic materials
- Glass architecture
- Optical systems

### According to standards such as :

- DIN 75220
- ISO 9022-9
- IEC 60068-2-5
- MIL STD 810G Method 505.5

- ISO 9845-1
- IEC 60904-9
- ASTM E490
- ASTM E927-10
- ASTM G173-03

### Specifications :

- Spectrums : AM 0; AM 1 ; AM 1,5
- Maximum area power : 5 kW/m<sup>2</sup>
- Maximum illuminated area : 12 dm<sup>2</sup>
- Directivity : 0,5° (equivalent of the sun)
- Ultraviolet to infrared spectrum : UV, VIS, IR

*\*Other test configurations, contact us...*

*[\\*Our products, visit our website...](#)*

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