

TE testing facilities questionnaire

Company name and location	IABG, Ottobrunn, Germany
Facility name and location	3m-TVA, Ottobrunn, Germany
Contact email	Stefan Reichl, Reichl@iabg.de
Maximum Sample/Test article dimension (H x L x W)	up to Ø2.9m
Optical bench dimension (LxW) if present	
Environment	
Cleanliness levels:	
Minimal pressure (Typical) mbar:	
Temperature range (K)	90 K to 433 K
Humidity range (%)	
Temperature measurements:	
Temperature measurements technique	
Temperature measurements range (typical) (K)	
Temperature measurements uncertainties (typical) (K)	
Geometric measurement 1:	
Method:	Videogrammetry
Deformation (displacement, rotation) range	
Deformation (displacement, rotation) uncertainties	
Equipment in vacuum (Yes/No)	
Optical ports (number, diameter)	
Geometric measurement 2:	
Techniques:	Theodolite
Deformation (displacement, rotation) range	
Deformation (displacement, rotation) uncertainties	
Equipment in vacuum (Yes/No)	
Optical ports (number, diameter)	
Geometric measurement 3:	
Techniques:	Autocollimator
Deformation (displacement, rotation) range	
Deformation (displacement, rotation) uncertainties	
Equipment in vacuum (Yes/No)	
Optical ports (number, diameter)	
Wavefront measurement technique 1	
Method	Interferometry
Wavelength	
Wavefront range	
Wavefront measurement uncertainties	
Equipment in vacuum (Yes/No)	
Optical ports (number, diameter)	
Wavefront measurement technique 2	
Method	
Wavelength	
Wavefront range	
Wavefront measurement uncertainties	
Equipment in vacuum (Yes/No)	
Optical ports (number, diameter)	
Customer can bring in its own GSE for TE test (Yes/No)	
Other useful information	
URL/Link to presentation of facility	https://www.iabg.de/en/industries/space/space-simulation

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Please return a completed form for each facility that you could make available for colleague organisations to thermoelastic@esa.int

In case of questions, please feel free to ask these as well through thermoelastic@esa.int.