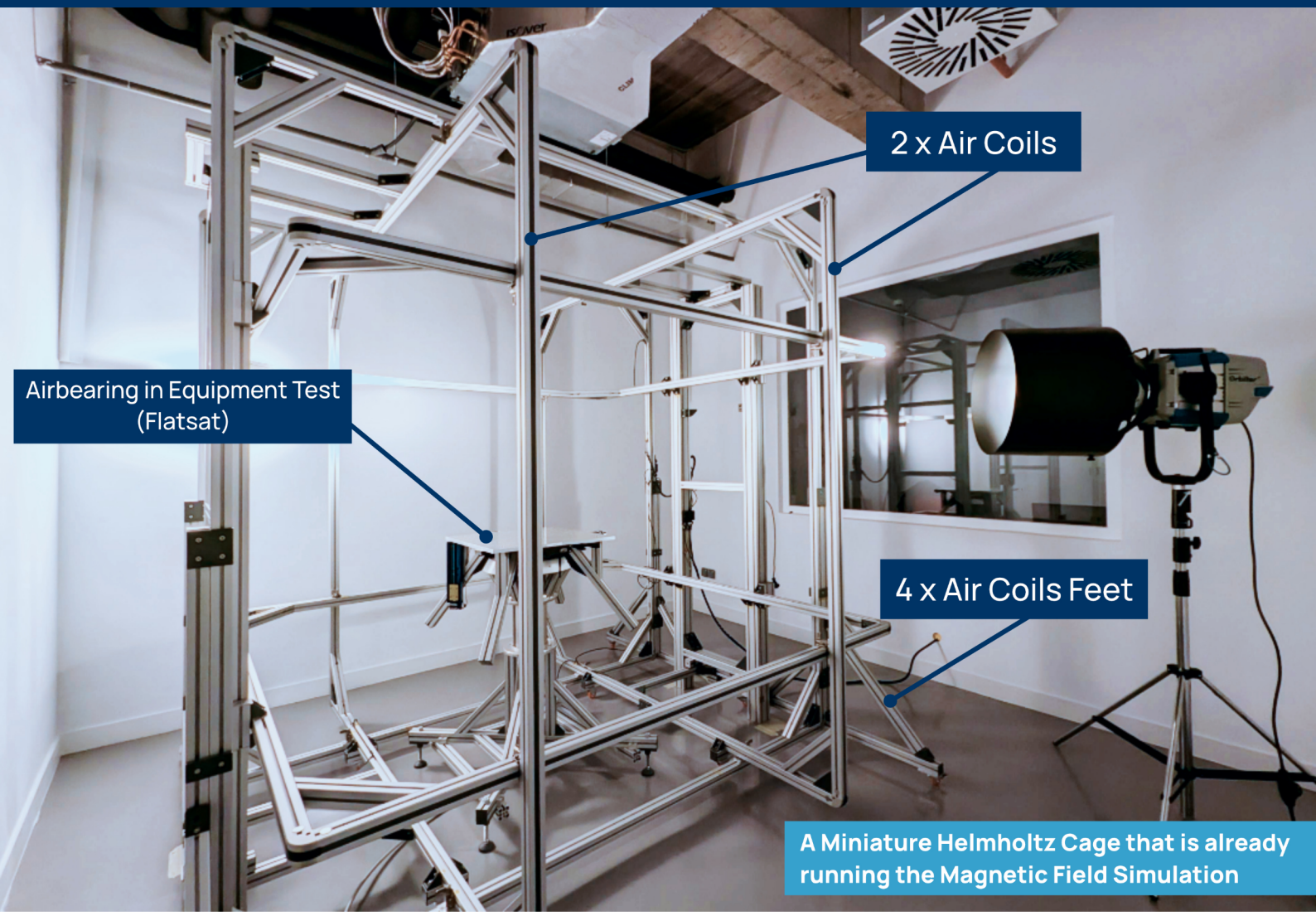


A Miniature Helmholtz Cage that is already running the Magnetic Field Simulation

ADCS SIMULATOR

The ADCS simulator is a tool to design and test the attitude control functionality of a small spacecraft platform. The simulator consists of three main parts: an Air Bearing Table, a Magnetic Field Simulator, and a Sun Simulator. Berlin Space Technologies also offers a GPS simulator, a Star Simulator, and a full ADCS simulation suite to complement the package.

Technical specifications can be found on the next page.

FURTHER INFORMATION: Max-Planck-Str. 3 12489 Berlin, Germany I info@berlin-space-tech.com
www.berlin-space-tech.com

TECHNICAL SPECIFICATIONS

PARAMETER	VALUE	COMMENTS
Air Bearing Table		
Payload Mass	200 kg	Maximum net load
Payload Size	500 x 500 x 500 mm^3	Length x Width x Height
Disturbance Moment	≤10 mNm at equilibrium	
Air Bearing Safety System	Yes	
Automatic Balancing System	Yes	
Automatic Lift Mechanism	Yes	
Tilt Angle	+/- 12.5°	
Maximum Tilt Limiter	Yes	
Magnetic Field Simulator		
Diameter Helmoltz Cage	> 2.55 m	Square coils
Magnetic Field Power	+/- 150 nT	
Accuracy in the Center	≤ +/- 1 %	
Optional Items		
Azimut Range		
Elevation Range		
Equivalent Sun Power		
GPS Simulator		
Star Simulator		
ADCS Simulation Suite		

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