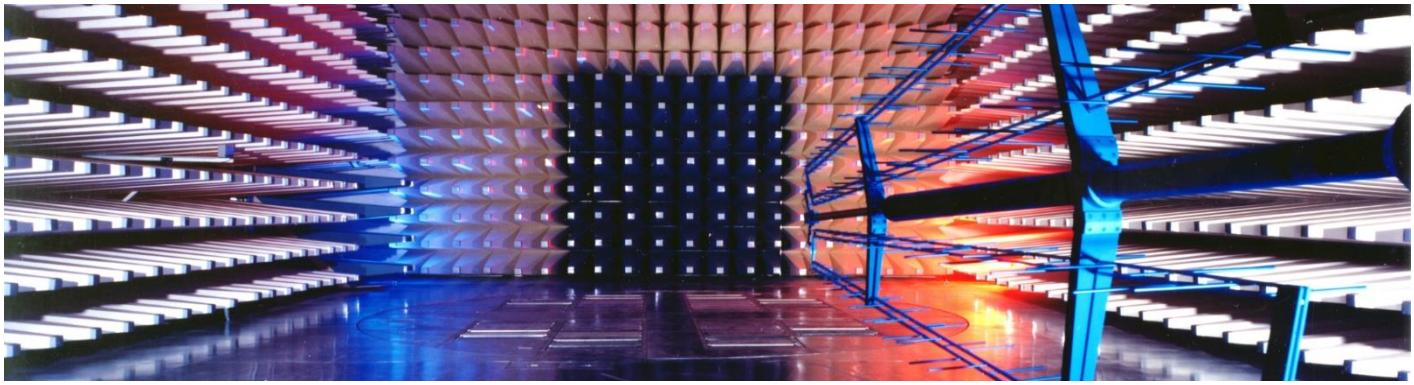

ANECHOIC CHAMBER 1

Description:

Semi anechoic chamber (usable inner space: 20.4 m x 10.8 m x 6.1 m) for carrying out radiated interference emission and immunity measurements. Used for vehicles, large industrial equipment and tests on electronic subassemblies with high immunity requirements.

Technical data:

Semi anechoic chamber up to 10 m measuring distance

8 m turntable with max. 50 t static load capacity

Low emission 4-quadrant dynamometer:
- Power P_{max} = 4 x 25 kW

Useable frequency range from 9 kHz to 18 GHz

High-frequency amplifier performance:
- 0,009…100 MHz up to 10 kW
- 100…225MHz up to 8 kW
- 80…1000MHz up to 1 kW
- 1000…2000 MHz up to 400 W
- 2000…8000 MHz up to 200 W

AC-Supply	up to 125 A, 400 V AC, filtered, CEKON connection up to 250 A, 400 V AC, filtered, Cable lug connection
DC-Supply	50-1000 V DC, I_{max} = 300 A, P_{max} = 180 kW, Source & sink mode possible
Media	compressed air, cooling water, waste gas exhaust

Emission measurements according to standards / norms, such as:

EN 55011 (CISPR 11)	Radio interference of industrial, scientific and medical equipment
EN 55012 (CISPR 12)	Vehicles - Radio disturbance characteristics - Protection of off-board receivers
EN 55016 (CISPR 16)	Measurement of high-frequency interference emission (radio interference) and immunity
EN 55025 (CISPR 25)	Vehicles - Radio disturbance characteristics - Protection of on-board receivers

Immunity tests according to standards / norms, such as:

EN 61000-4-3	Immunity to high-frequency electromagnetic fields
ISO 11452-2	Test methods for components – Anechoic chamber
ISO 11452-5	Test methods for components - strip line
ISO 11451-2	Vehicles - Immunity to external electromagnetic fields
ISO 11451-3	Vehicles - Simulation of transmitters in vehicles

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