

Forensics Chamber

Forensic shielded rooms provide a controlled environment, free from electromagnetic interference (EMI) and ambient RF signals entering or exiting the room. These rooms are suitable for interrogation of electronic devices, evidential proceedings, and examination rooms. Our Forensic rooms are designed with a modular construction that allows for easy disassembly and transport. The chambers are made from 2mm steel panels, offering ultra-high shielding performance. Rooms can be custom designed with an industrial finish or an office-style interior with carpet and furniture. All units include lighting, power, and communication options.

Key Features

- Modular Panel System
- Shielded EMC Doors
- Person Recognition System
- Fully Customizable
- Meets Industry Standards
- EMP GRIDLOCK™ Technology

High-Absorption Environment

Faraday Defense chambers provide an interference-free and simulated free-space environment. We design this highly customized product based on our clients' specifications and according to the absorption they require. With many available add-on options, we guarantee optimal performance and client satisfaction.

Additional Options

- Acoustics damping
- LED ambient lighting
- Air conditioning
- Test benches
- Turntable
- Fire detection
- DC Sockets
- Filters & Audio communication
- RF vestibules
- RF power line filters
- Internal electrical distribution
- RF signal filters
- Honeycomb waveguide air vents
- Bulkhead connector panels
- Waveguide pipe penetrations
- Custom frequency ranges

Shielding Performance

Magnetic	20 dB at 1 kHz to 55 dB at 10 kHz and 95 dB at 200 kHz
Electric	100 dB from 200 kHz to 50 MHz
Planewave	100 dB from 50 MHz to 1 GHz
Microwave	100 dB at 10 GHz

Industry Standards

Shielding Effectiveness	IEEE-STD-299
Design, Supply, and Installation	ITSG-02
Airborne Sound Transmission Loss	ASTM E90
Sound Transmission Loss	ASTM E366
Sound Insulation	ASTM E413
Engineering and Design Criteria	ASTM E1925-01

Two-Year Warranty

All Faraday Defense chambers come with a two-year limited warranty against defective materials and craftsmanship and to retain the specified RF shielding effectiveness.