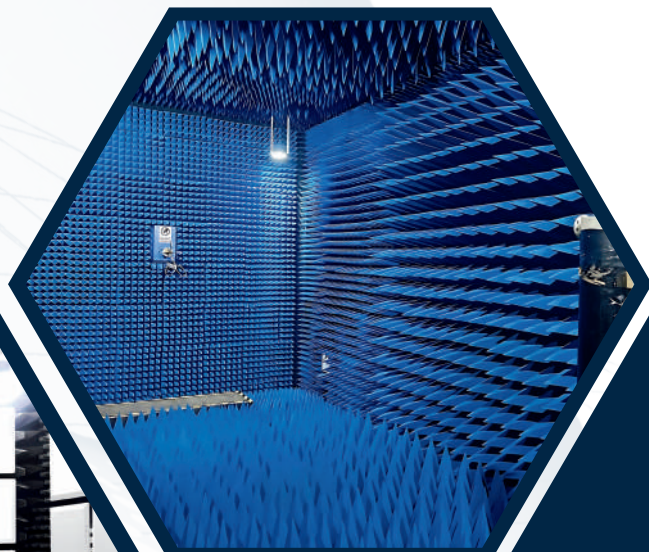




EMI/EMC RF SHIELDING SOLUTIONS



Full-Compliance Chamber

Tekiknow Full-Compliance Chambers are engineered for certified electromagnetic compatibility (EMC) testing of electronic devices, supporting both radiated emission and immunity assessments. Ideal for product certification and compliance with international regulatory requirements.

Key Features

- Type: Full compliance according to CISPR 16-1-4 and IEC 61000-4-3
- Test Distance: 3M, 5M, 10M
- Types : SAC , FAR
- Frequency : 9KHz – 18GHz (optional 40GHz)
- Standards: CISPR 11, CISPR 12, CISPR 25, CISPR 32, AIS 004, IEC 61000-4-3, ISO 11451 and MIL-461



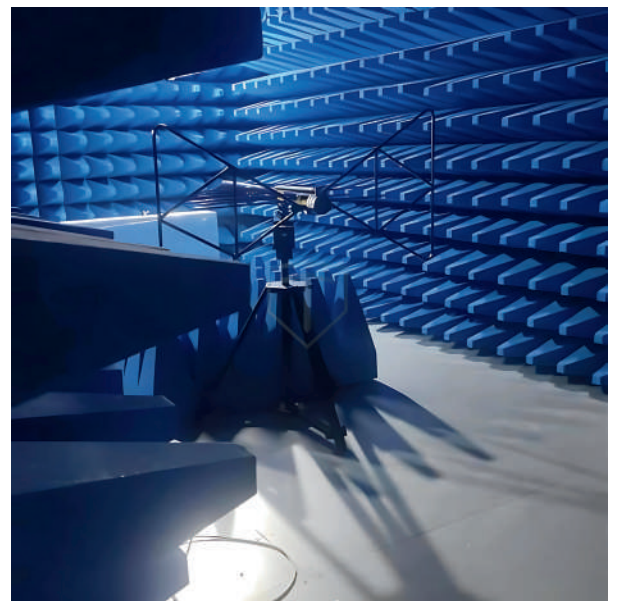
Built with precision

Pre-Compliance Chamber

Pre-compliance testing typically requires specialized tools and environments that replicate the conditions of full compliance testing. Compact and budget-friendly versions of full compliance chambers offer a controlled setting for assessing electromagnetic emissions and immunity, which aids in detecting potential issues early in the product development process.

Key Features

- Test Distance: 3M, 5M, 10M
- Types : SAC , FAR
- Frequency : 9KHz – 18GHz (optional 40GHz)
- Standards: CISPR 11, CISPR 12, CISPR 25, CISR 32, AIS 004, IEC 61000-4-3, ISO 11451 and MIL-461



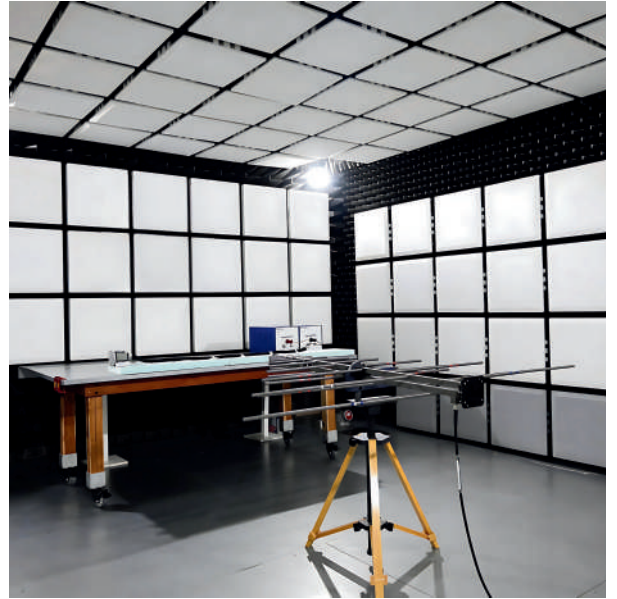
Early Detection, Effortless Compliance

CISPR 12 / 25 Chamber

A CISPR 12/25 chamber is a specialized testing environment designed for assessing electromagnetic emissions from motor vehicles, boats, and devices with internal combustion engines or electric drive systems.

Key Features

- Type: Full compliance according to CISPR 16-1-4 and IEC 61000-4-3
- Test Distance: 3M, 5M, 10M
- Types : SAC , FAR
- Frequency : 9KHz – 18GHz (optional 40GHz)
- Standards: CISPR 12/ 25 & ISO 11451 / 452
- Extended performance options - MIL STD 461



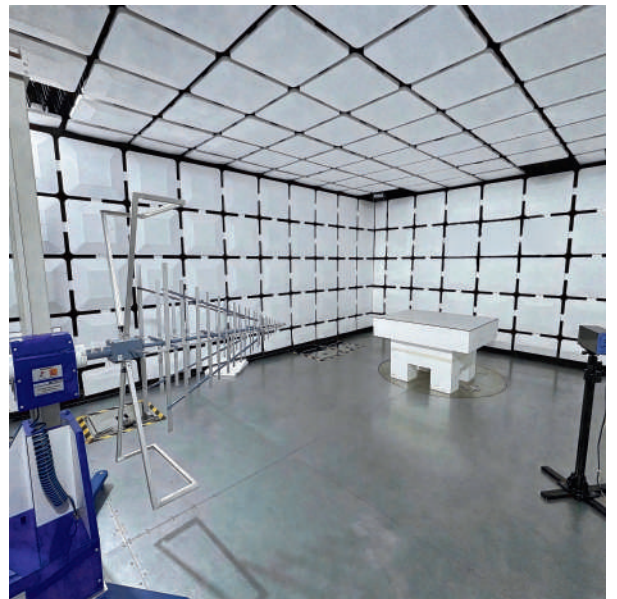
Advanced Test Site for Automotive Excellence

MIL Chamber

MIL-461 Chamber is specifically engineered to perform compliant tests in accordance with MIL STD-461 and DO-160 standards. This versatile chamber can handle various testing requirements, accommodating everything from small electronic devices to large military vehicles..

Key Features

- Type: Full compliance according to CISPR 16-1-4 and IEC 61000-4-3
- Test Distance: 3M, 5M, 10M
- Types : SAC
- Frequency : 9KHz – 18GHz (optional 40GHz)
- Standards: MIL-STD-461



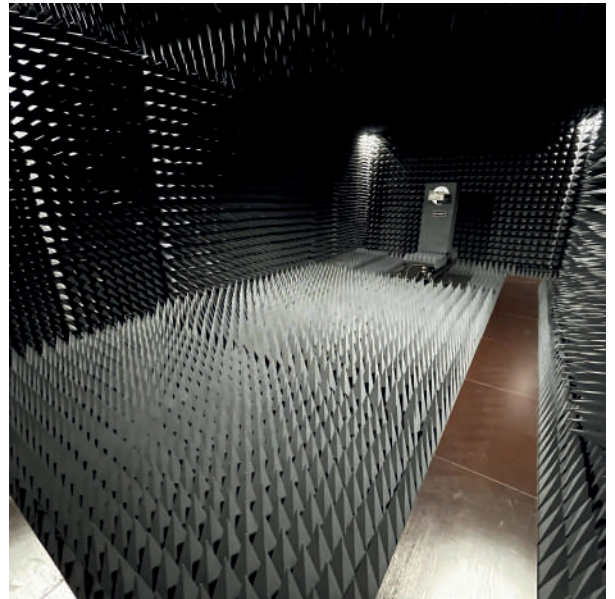
Advanced Test Site for Military Standards

Antenna Chamber

Antenna measurement rooms are dedicated facilities designed to evaluate antenna performance through various testing techniques, including far-field and near-field measurements. Our antenna chamber design incorporates a cutting-edge ray-tracing algorithm, guaranteeing exceptional performance and adaptability for high-quality measurements that meet industry standards.

Key Features

- Test Distance - Far-field(FF) Measurement
- Frequency - 800 MHz to millimeter-wave applications
- Antenna Positioner with up to 0.1-degree resolution
- Polarizer with 0.5 - degree accuracy
- Advanced Measurement and Reporting generation software -TEKPAT



Evaluate your newest technologies

Service & support

Our comprehensive maintenance plans cover everything from routine inspections to emergency repairs, providing peace of mind and reliability.

- Chamber Service
- AMC for Any make
- Testing & Validation
- Relocation & Upgradation of chamber



EMC Automation Software



Test & Measurement

- A single interface for all tests
- Independent of all measuring equipment
- Free drivers Over 500 devices supported
- Agilent Interface VEE™, MS Windows™, LabView, LabWindows CVI™
- Covers a wide range of EMC standards (NIEC, CISPR, AUTOMOTIVE, DO160, MIL-STD, ETSI, etc.)

RF SHIELDING SOLUTIONS

Tekiknow offers a complete range of RF shielding solutions for laboratory, R&D, production, and device-level testing. Our various RF-shielded enclosure designs include Shield boxes, RF Booths, RF Shielded Rooms, RF tunnel, and rf shield racks with manual, and automatic operated doors.

Key Features

- Size – Custom As per requirement
- Frequency Range – Upto 40GHz
- User Defined I/O Connector Options
- Absorber Lining – Optional Interior as per customer
- Shielding Attenuation >100dB
- Easy modification or upgradation
- Application based Design
- Door Type- Manual or Automatic
- 5G Test Bed

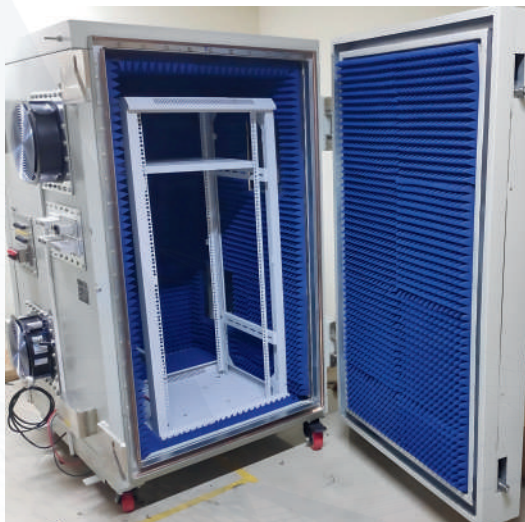
RF Shield Box



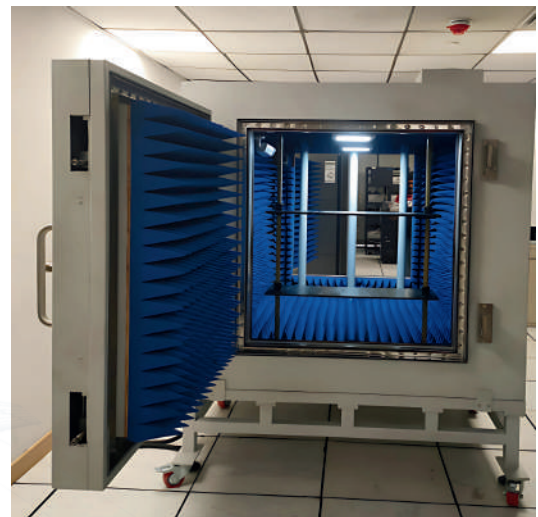
RF Shield Room



RF Shield Booth



RF Shield Tunnel

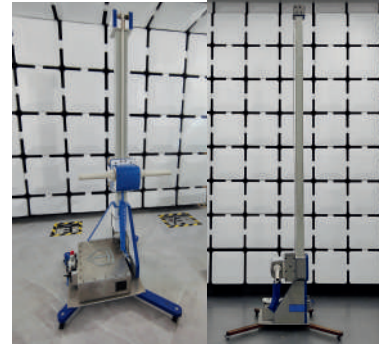


Components

RF Shielded Door



Antenna Mast



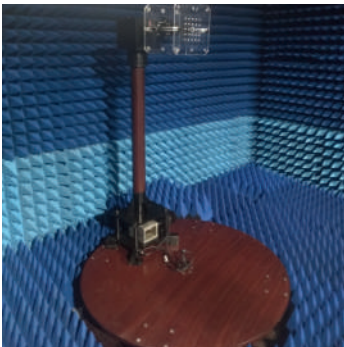
Turn table



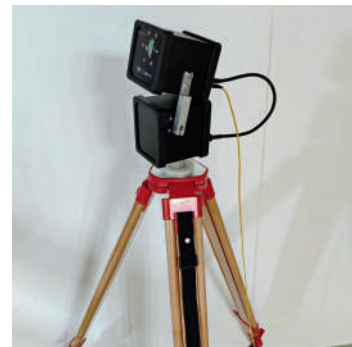
Test Bench -Metallic



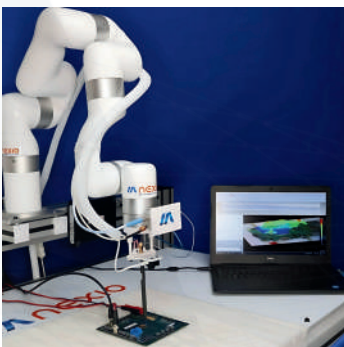
Antenna Positioners



EMC Camera



Near Field Scanner



Transients Setup

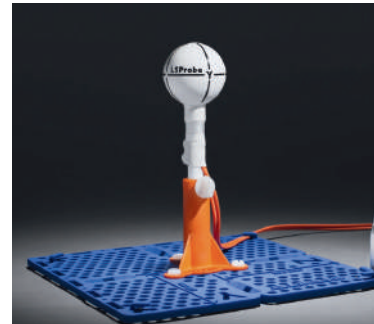


Accessories

LSPM – RF Power Meters



LSProbe - E-Field Probes



RF Equipments



EMC Systems



Near-Field Probes



Antennas



Fiber-optic, Automotive Link



RF Cables & Accessories



Company Overview

TEKIKNOW Technologies was founded in 2015 and has since become a prominent manufacturer specializing in EMI/EMC, RF shielding, and test & measurement solutions. With a keen focus on quality and precision, we strive to deliver cutting-edge products that meet the evolving needs of our customers worldwide.

Our dedicated team of experts handles design, fabrication, assembly, testing, and validation internally. With a facility spanning over 20,000 square feet and equipped with state-of-the-art machinery, Tekiknow ensures strict quality control measures and adheres to the highest industry standards at every stage.

Our Customer



Associated Brands



TEKIKNOW TECHNOLOGIES INDIA PVT.LTD

📞 9791139443

✉ contact@tekiknow.com

🏠 62/2 B, Ambattur Vanagaram Road, Athipet, Ambattur, Chennai - 600058

