

EMI/EMC Solutions by JV Micronics

Ensuring Compliance, Reliability & Performance in Electromagnetic Environments

In today's rapidly advancing technological landscape, managing Electromagnetic Interference (EMI) and ensuring Electromagnetic Compatibility (EMC) is critical for the seamless operation of electronic and communication systems. JV Micronics offers cutting-edge EMI/EMC solutions, ensuring compliance with international standards and protecting devices from unwanted electromagnetic disturbances.

What is EMI/EMC Testing?

- Electromagnetic Interference (EMI): The unwanted electromagnetic energy that disrupts the normal functioning of electronic devices.
- Electromagnetic Compatibility (EMC): The ability of a device or system to operate without causing or being affected by EMI in its environment.

To prevent failures, enhance product reliability, and comply with global regulations, EMI/EMC testing is essential across industries such as defense, aerospace, automotive, telecommunications, medical electronics, and industrial automation.



Our EMI/EMC Solutions

1. EMI/EMC Test Chambers & Shielded Rooms

Our Anechoic and Semi-Anechoic Chambers are designed for superior EMI shielding and EMC testing. These chambers ensure a controlled environment for radiated and conducted emissions and immunity testing.

Shielded Chambers: Prevent external interference, providing accurate test results.

Anechoic Chambers: Absorb unwanted reflections for precise measurements.

Semi-Anechoic Chambers: Ideal for product compliance testing with partial RF absorption.

2. EMC Compliance Testing & Certification Support

We help organizations test and certify products according to global EMC standards such as:

- CISPR, MIL-STD, IEEE, IEC, FCC, EN, and ISO compliance.
- Pre-compliance testing to identify potential EMC issues before formal testing.
- Full compliance certification ensuring regulatory approval for global markets

3. EMI/EMC Testing Services & Consultancy

Our expert team provides on-site and remote EMI/EMC testing, troubleshooting, and mitigation solutions, ensuring devices comply with standards before mass production.

4. Annual Maintenance Contracts (AMC) & Chamber Refurbishment

We offer comprehensive AMC services for EMI/EMC test chambers, ensuring longevity and peak performance. Our refurbishment solutions include:

Upgrading existing chambers with advanced RF shielding.

Repairing EMI shielding doors to eliminate leakage.

Replacing absorbers, filters, and RF components for enhanced efficiency.

Industries We Serve

Defense & Aerospace: Military-grade EMC compliance for communication systems, avionics, and radar.

Automotive: EMC testing for EVs, ADAS, and vehicle communication.

Telecommunications: Ensuring 5G/6G devices meet EMC requirements.

Medical Electronics: Protecting life-saving medical devices from EMI disruptions.

Industrial Automation: Ensuring electronic control systems operate interference-free.

Why Choose JV Micronics?

Industry Expertise: Backed by years of experience in EMI/EMC solutions.

Advanced Facilities: Equipped with state-of-the-art test chambers and RF shielding materials.

Global Compliance: Helping organizations meet international EMC standards.

Customized Solutions: Tailored EMI/EMC systems for diverse applications.

Reliable Support: End-to-end assistance from testing to certification.

Ensure your products and systems are EMI/EMC compliant with JV Micronics' expert solutions.