

Capabilities Overview

Complete Turnkey Solutions for EMC and RF Testing



Designed to
Meet Your
Standards

S SYSTEMS	C CHAMBERS
A ANTENNAS	SW SOFTWARE



TDK RF Solutions Inc.

TDK RF Solutions Inc. designs, manufactures, and installs a complete range of EMC and RF test products. We call it Total RF Expertise™, and it means TDK RF Solutions is your best

Integrated Test Systems

- Radiated and Conducted Emissions
- Radiated and Conducted Immunity
- EUT Monitoring
- Antenna Pattern Measurements
- Specific Absorption Rate (SAR)
- Specialized Systems – Automotive, Telecommunications, MIL-STD

TDK RF Solutions offers turnkey solutions for EMI and EMS test systems covering a wide range of specifications.

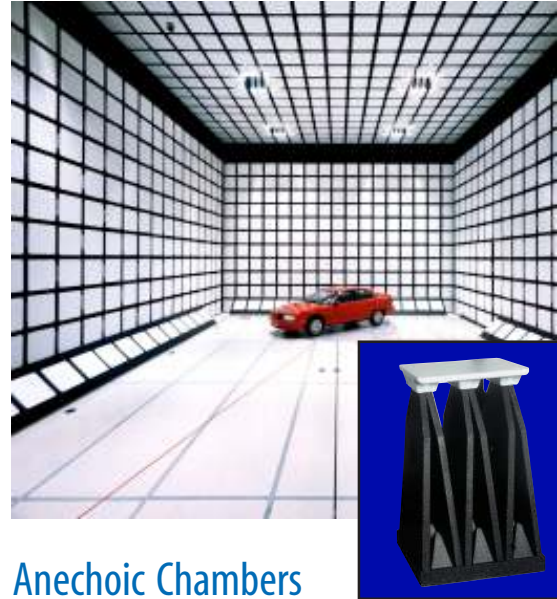
Our test systems developments are based on proven commercial, telecommunications, automotive, and military system solutions already in place in Europe, North America, and Asia. As a result of our extensive experience and large installed base, our system designs are dynamic – we continually integrate the latest technologies into our solutions – which makes each installation more efficient and more manageable.

Our expertise in systems engineering includes research, design, development, installation, and training. We call it Total System Technology® and it is a critical reason why companies choose TDK RF Solutions over other suppliers. Now, we would like to design a system to meet your test standards.

We can turn your vision into reality with a high-performance turnkey system optimized with the best selection of equipment and components, quality workmanship, and a seamless interface between the user, the system, and the environment. Tell us your requirements. We will meet your standards.



Systems



Anechoic Chambers

- 3-meter, 5-meter, and 10-meter anechoic chambers
- Compact anechoic chambers
- CISPR chambers
- Shielded rooms

For customers looking for a single source to design and install a new test facility or to upgrade an existing test facility, TDK RF Solutions provides a “single vendor” solution – test system and anechoic chamber. We design each chamber to meet your specific requirements.

TDK chambers feature the original polystyrene and ferrite tile absorber for excellent performance, virtually maintenance-free operation, and a proven long working life (30+ years). And not only is your chamber performance guaranteed by TDK and independently-certified, our standard absorber warranty is 20 years!

By providing you both a test system and a test chamber, TDK RF Solutions ensures that your entire test facility is tightly integrated from design to installation to operation. It makes great sense, and it makes TDK a better choice for your facility.

Chambers

About TDK RF Solutions Inc.

TDK RF Solutions designs, develops, and manufactures technical solutions for the electromagnetic compatibility (EMC) and radio frequency (RF) test industries.

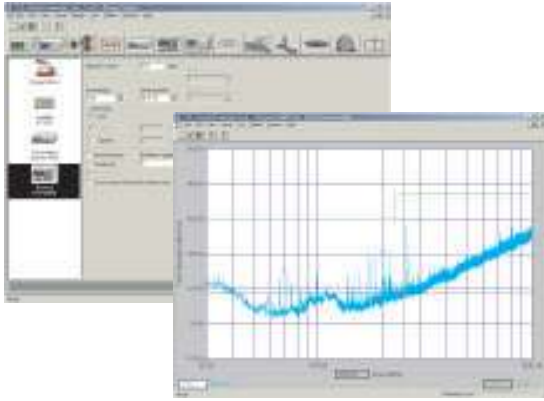
TDK RF Solutions began as EMC Automation – a company formed in 1987 to design and develop automated systems for EMC testing. The company’s primary aim has been to enhance compatibility among test instruments and accessories, and to integrate equipment into automated test systems.

Through our efforts in research, design, and development of hardware and software for test systems, TDK RF Solutions has become a world leader in the creation of new products and system solutions to meet the changing needs of the EMC/RF test market.

TDK RF Solutions offers automated test systems, anechoic chambers, antennas, and test products that support a wide range of EMC test standards, from commercial, automotive, and telecommunications to military, aerospace, and industrial. We evaluate test specifications carefully to develop an integrated test environment that is widely compatible with domestic and international test regulations.

TDK RF Solutions is headquartered in Cedar Park, Texas, with sales and support offices in Europe and Asia.

test solutions from turnkey test systems and chambers to industry-leading antennas and choice of partner for proven solutions backed by internal technical expertise.



TDK TestLab™ Software

- **Standard Emissions Lab – Radiated and Conducted**
- **Radiated Immunity Lab**
- **Conducted Immunity Lab**
- **EUT Monitoring Lab**
- **Antenna Pattern Measurements Lab**

TDK RF Solutions offers a suite of software products specifically designed to simplify complex immunity and emissions testing. TDK RF Solutions test software supports full automation for a variety of EMI and EMS tests specified in North American, European, and Asian regulations.

TDK TestLab™ software eliminates routine tasks that are required in EMC test procedures, such as leveling to a target test level at each of a series of frequencies in immunity testing, or performing maximization and quasi-peak measurements at each of a series of frequencies in emissions testing. The TDK Emissions Lab and TDK Immunity Lab software modules use pre-configured test sequences to perform measurements and tests. (Test sequence setup is dependent on your specific combination of test instruments.)

Antennas and Test Products

- **Antennas, Striplines**
- **E-Field Generators**
- **System Controls**
- **Positioning Devices**
- **Monitoring Devices**
- **Accessories and Options**

TDK RF Solutions' ambitious efforts in antenna research and development mean you can now get antennas designed specifically for EMC testing, antenna testing, and metrology applications with performance specifications that meet your requirements.

The TDK line includes antennas for EMC testing (emissions and immunity) and for evaluating measurement facilities, antenna ranges, EMC facilities, OATS, and more.

TDK also offers a wide range of packaged and custom-configured products such as our probe positioner, 3-D manipulator, and dual-antenna positioner (below) designed specifically for EMC/RF testing. Our product design focus is on products that integrate with our test systems to increase efficiency, simplify test procedures, and do not interfere with the test environment.



Software

Antennas



TDK RF Solutions Inc.

To learn more about the TDK RF Solutions products that best meet your needs, call us at (512) 258-9478, visit our website, or contact your local TDK sales representative.

www.tdkrfolutions.com

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SYSTEMS

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CHAMBERS

A

ANTENNAS

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SOFTWARE

TOTAL RF EXPERTISE™

TDK RF Solutions Inc.
1101 Cypress Creek Road, Cedar Park, Texas 78613
Phone 1-512-258-9478 • Fax 1-512-258-0740

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