

Morita Tech combines four core technologies to help customers solve their problems.

Machine and Mechanisms design



Electric Design

- analog circuit
- digital circuit
- micro design
- high frequency circuit



- measurement software
- visualization software
- robot control



Manufacture

Software Development

Main New Cases

5G Compact OTA Test Environment

The OTA (Over The Air) tests for mobile communication inspection between 5G base stations and 5G mobile devices /local 5G terminals can be realized in a small shield box by using an antenna coupler.

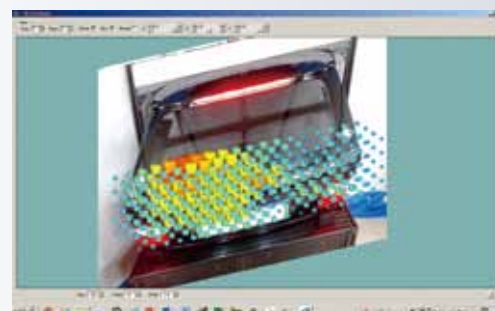


For accommodating base station

For mobile devices inspection

3D electromagnetic wave visualization system

The "WM9500" series visualizes EMC noise by 6-axis 3D measurement regardless of the finished product or parts of industrial products. You can identify the source and distribution of noise with a visual image.



ABOUT MORITA TECH

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Established May, 1993
Capital 10,000,000 yen
Settlement Term February
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KDDI NTT Docomo Softbank Rakuten Mobile
 NTT-East NTT-West Ericsson Japan
 NOKIA Solutions & Networks Samsung Japan DSP Research
 TOYOTA HONDA SUBARU SUZUKI NISSAN ISUZU
 DENSO AISIN SEIKI KEIHIN

Ultimate Technologies NEC Platforms KIOXIA Canon
 Panasonic RICOH TOSHIBA FUJITSU Fuji Electric
 Mitsubishi Electric Qualtec

ATOM MEDICAL NIPRO HITACHI
 Aizawa Hospital Osaka Proton Therapy Clinic
 Kobe Proton Center Tsuyama Chuo Hospital

National Institute of Advanced Industrial Science and Technology
 National Institute of Information and Communications Technology
 National Institute of Radiological Sciences
 Railway Technical Research Institute
 National police agency Metropolitan Police Department
 Ministry of Justice
 Tohoku University The University of Tokyo Waseda University
 The University of Electro-Communications
 Yokohama National University
 Meijo University Ritsumeikan University
 Nara Institute of Science and Technology

Banking Institutions

- Shinyurigaoka branch bank of Kiraboshi Bank
- Chofu branch bank of Mizuho Bank
- Shinyurigaoka branch bank of Yokohama Bank
- Kawasaki branch bank of Shoko Chukin Bank
- Machida branch bank of Mitsubishi UFJ Bank
- Inagiyakouchi branch bank of Tama Shinkin Bank

Examples

1. Ministry of Economy, Trade and Industry
 "New Generation Information Security Research and Development Project" (2010-2012)
 (Research and development of LSI security measures using advanced electromagnetic wave analysis technology)
 Implementing Agency: The University of Tokyo, Morita Tech, The University of Electro-Communications
2. Signed a joint research contract with the University of Tokyo Large-Scale Integrated System Design Education and Research Center (2013 ~) (Research on micro magnetic field probe)
 Evaluation research for commercialization of results of new-generation information security R&D projects

Manufacturer

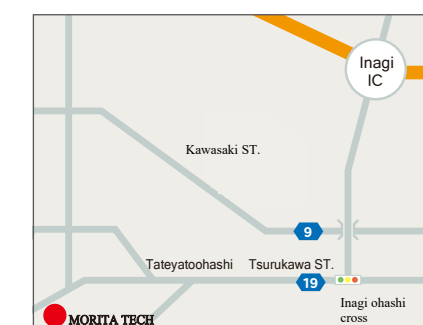
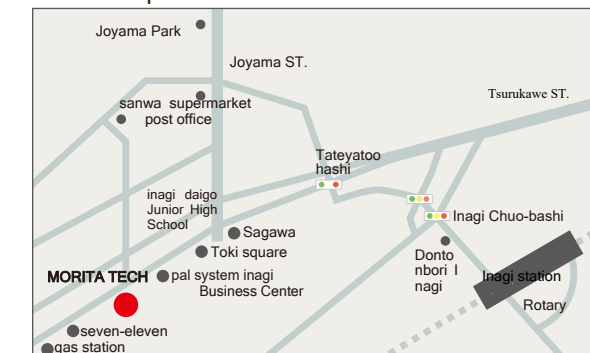
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Agent

Tokyo Office



Access Map



- Customers who come by train
 Keio Sagami-hara line walking about 15 minutes from inagi station
- Customers who come by car
 - if you are coming from Shinjuku
 Driving about 10 minutes after getting down from the Inagi IC of CHUO Expressway.
 - if you are coming from Hachioji
 Driving about 10 minutes after getting down from the Fuchu smart IC of CHUO expressway.

Access Information

please check the QR code on the right side.
 ※displayed on Google Map



Corporate Profile

Creating the Future with RF and Mechatronics Technologies



MORITA TECH CO.,LTD.

Solve the problems of 5G, the next generation communication, by high frequency technology and manufacturing knowhow.

we will analyse the issues of 5G and 6G in the manufacturing site test process by hearing, and find out the solutions with more practical and best hardware and software. The mission of Morita Tech is to support the future evolution of customers' products and services, not only in terms of safety and environment, but also in terms of performance and functionality. The photo on the right is the latest vector network analyzer imported to develop products up to 110 GHz for "Beyond 5G" and "6G". In addition to normal S-parameter measurement, it also has "frequency conversion device measurement function" and "multi-channel spectrum analysis function (120 GHz)".



The optimal solution proposal through four solution capabilities and total support!

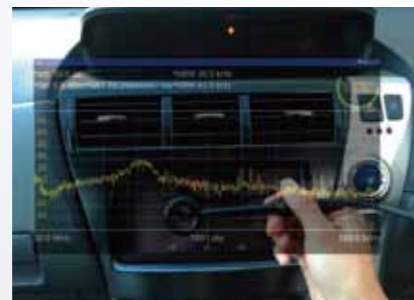
By making full use of the four solution capabilities of "5G," "EMC," "shield," and "high frequency (RF*1)", we can make the products and technologies possible to solve problems in various industrial businesses. We will listen attentively to customers' problems and find out the current issues and the means can solve them. From hardware design/manufacturing to software development, from catalog products to custom-made products, we can complete everything in-house, so we offer the most suitable QCD*2 to our customers.



*1 Abbreviation of Radio Frequency *2 Quality + Cost + Delivery

Contribution to various business fields

The inspection equipment and products with Morita Tech's technology are useful in engineering sites on various manufacturing, communications, and medical equipment. We will help you to create unknown product services in various business fields with our advanced technology and know-how in hardware and software development.



"EMI SCOUTER" can be combined with a spectrum analyzer and various measuring instruments to realize real-time visualization of measured values in the vehicle or in narrow spaces.

<p>The Telecom Industry</p> <p>Communication maker /base station maker /module maker /IoT machine maker</p>	<p>Electronics Industry</p> <p>Inspection equipment maker/home appliances maker/robot maker/smart meter maker/wireless module maker</p>	<p>Automotive Industry</p> <p>Vehicle maker / component maker/car navigation maker</p>	<p>Medical Industry</p> <p>Medical machine maker/ Research& Development organization</p>
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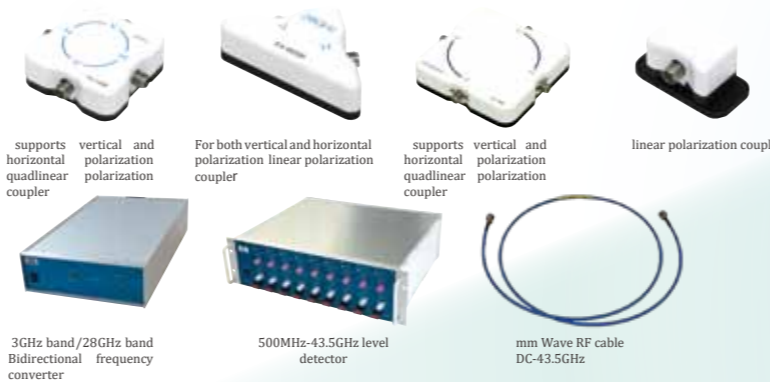
Others government agencies/Institutes of vocational schools and universities/Local governments

Taking full advantages of four core technologies to expand four solutions

5G solution

Coming ahead of the times!!
The development of products for 6G has also begun.

"5G measurement component" for the 5G communication system had made their debut. From the Antenna couplers for difference frequency to shield box, level detector, frequency converter and so on are prepared. And, we had started developing the new products for the next generation - 6G (6th generation mobile communication system).



EMC solution

Enable to achieve the visualization of electromagnetic wave from LSI to electromechanical component, whole vehicle.

The measurement of electromagnetic field and the visualization of electromagnetic should be able to measure the items from the fine parts inside of the LSI to the large size whole vehicle. We can provide ideal electromagnetic visualization systems to meet all needs. By providing the 3D spatial electromagnetic field visualization system, we can realize the measurement of LSI, print board, electronic component, vehicle and so on. Equipped with near magnetic field probes and 3 axes developed in-house to meet the user's needs and objectives from 100µm scan step to 10m scanning coverage.



5G Solution



5G antenna coupler



WM9500αLT

EMC Solution

Shield Solution

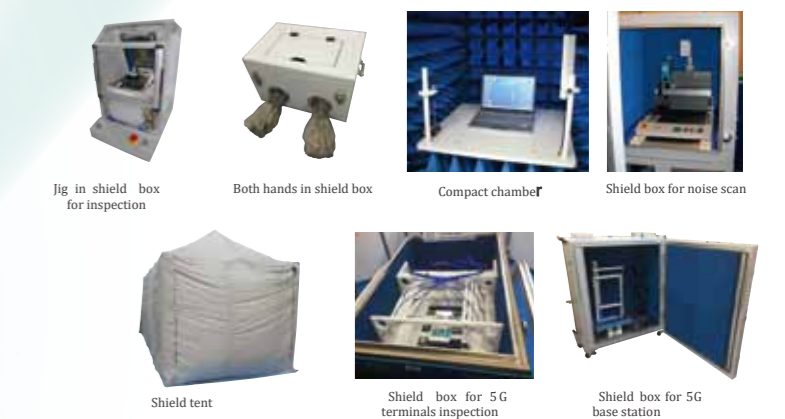


Shield box for 5G terminals inspection

Shield solution

Achievements covered industries
Strong product lineup

We can provide you the most suitable and quality products customized in size, shape and specification, even if you want buy one. Kinds of customized shield box are available, including the hand-in type shield box, shield box equipped with testing antenna, shield box for evaluation and so on.



Jig in shield box for inspection

Both hands in shield box

Compact chamber

Shield box for noise scan

Shield tent

Shield box for 5G terminals inspection

Shield box for 5G base station

RF solution

The most suitable proposal can be all customized made from zero.

Customized made switch box controlled by the switching by USB or LAN is available. And the low frequency active magnetic field sensor that can realize the measurement of low frequency from 10Hz, the optical magnetic field sensor by using the method of magneto-optical crystal and the optical probe are also in the strong product lineup.



RF interface box

Filter box

3 axis sensor

Optical magnetic field sensor

RF Solution



Matrix switch box

An innovative manufacturer always focusing on the forefront of technology

We continue manufacturing the most advanced products for meeting the needs in the future with four advantages on 5G, EMC, Shield and RF. what we never give up working forward since the establishment is the pride of Morita.