



NIDEC ADVANCE TECHNOLOGY CORPORATION

■Headquarters

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<https://www.nidec.com/jp/nidec-advancetechnology/>



Innovating for the future

Create Solutions, Better life



One Nidec

Corporate Slogan

All for dreams

Nidec Corporation announced the launch of a new corporate statement "All for dreams" codifying the core values Nidec adheres to and seeks to share with its stakeholders.

Message from Nidec

NIDEC CORPORATION
Representative Director and President CEO

Mitsuya Kishida



Based on the core technologies for "things that spin and move" that were nurtured since its foundation, the Nidec Group has advanced three technological axes, including "thermal management" and "electricity generation, electricity storage, electricity charging, and electricity transformation." Now, Nidec utilizes these technologies to advocate five pillars of businesses, i.e.: "cooling and electricity-conversion technologies to support AI society," "renewable energies-based electricity supply system," "robot reducers and machine tools to improve industrial efficiency," "smart appliances and air-conditioning units to enhance the quality of life," and "next-generation mobility to facilitate electrification and automation." Guided by our "Made in Market" policy, our global production bases are committed to providing the high quality, short lead times, and comprehensive services that our customers need to succeed. We aim to create a sustainable society via redoubled efforts and innovations, and by constantly taking on challenges as One Nidec. Your continued support – which will be vital for our success – would be truly appreciated.

Message from Nidec Advance Technology



Chairman and Vice President
Michio Kaida



President & CEO
Hidekazu Yamazaki

Since our establishment as "Read Electronics," we have refined our measurement and inspection technologies for electronic devices and supported manufacturing sites under the concept of "Reading Electronics, Reading the Times." Since joining the Nidec Group in 1997, we have expanded our production bases and utilized M&A to develop new measurement and inspection solutions. Today, we operate at 18 locations in 11 countries worldwide.

As the technological standards of our society grow more sophisticated each year, the function, performance, and quantity of electronic devices continue to increase.

These devices need their performance ensured. As a provider of measurement and inspection solutions, we are committed to refining our technology to become the industry's "De-facto Standard."

We greatly appreciate your continued support and look forward to innovating with you.



Our "De-facto standard" measurement and inspection technologies are trusted globally.

De-facto OUR MISSION Standard

As technology evolves and society thrives, the electronic devices we rely on have become commonplace. At Nidec Advance Technology, we use our measurement and inspection technologies to ensure these devices function flawlessly. We contribute to a better quality of life through our core inspection technologies.

Electrical inspection

GATS Series



The GATS Series is an electrical inspection equipment for semiconductor package substrates. In addition to OPEN/SHORT/LEAK tests, it can also perform various types of substrates such as embedded IC and LCR.

Continuity and Insulation test

Bump Inspection

Electrical inspection

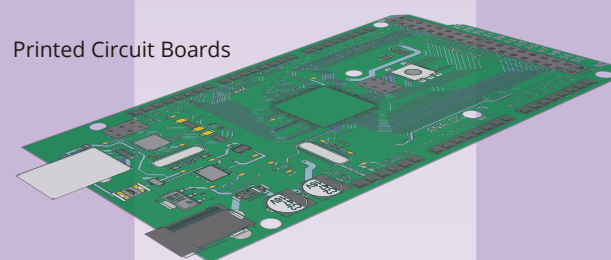
STAR REC Series



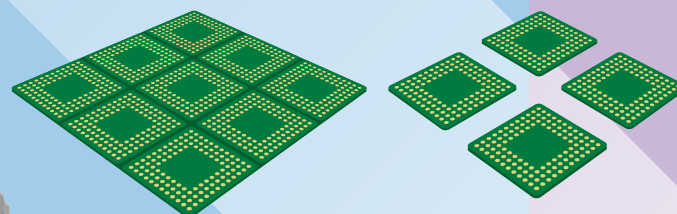
The STAR REC Series is an electrical inspection equipment for Printed Circuit Board (PCBs) and Flexible Printed Circuit Board (FPCs). It offers flexible support for different types, sizes, and pin counts of inspection targets.

Continuity and Insulation test

Printed Circuit Boards

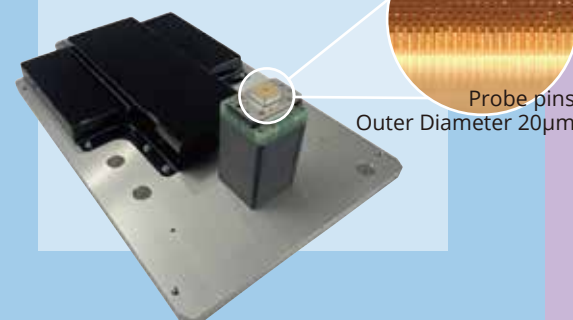


Semiconductor Package Substrates



Electrical inspection fixture

Our high precision inspection fixture can handle probes with a minimum diameter of 15μm. It provides strong support for OPEN/SHORT testing of fine-pitch printed circuit boards and semiconductor packages.



Optical inspection

RSH Series



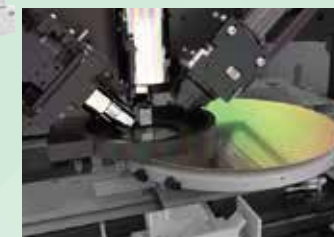
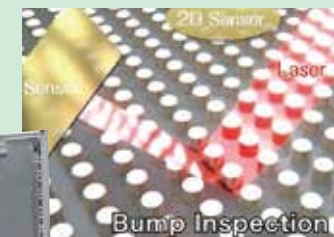
RSH Series is an optical inspection equipment to detect bumps on substrates by using laser triangulation technique. It provides high-speed, high-precision 3D, 2D, and SD simultaneous measurements. Warpage inspection is also possible.

Optical inspection

RWi Series



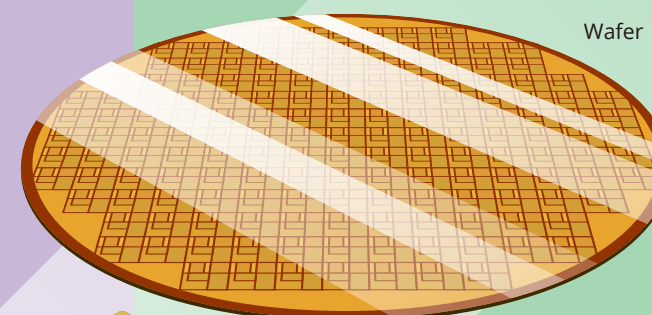
The RWi Series is an optical inspection equipment to detect bumps on wafers by using laser triangulation technique. It provides high-speed, high-precision 3D, 2D, and SD simultaneous measurements.



Bump Inspection

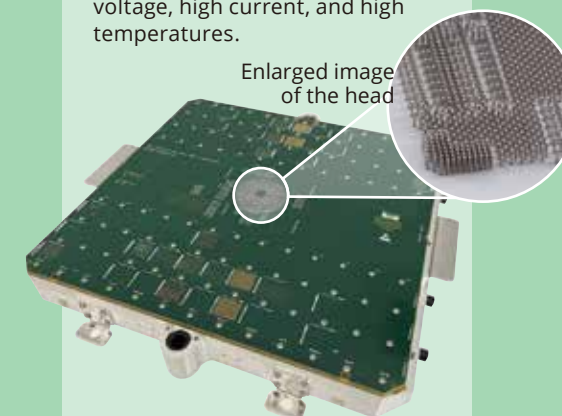
Function Inspection

Wafer



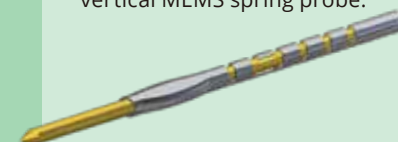
PROBE CARD

A probe card is a fixture used for electrical inspection of ICs on a wafer. It is designed to handle high-precision chips and measure high-frequency signals. We also offer models for power semiconductors that can perform accurate inspections under high voltage, high current, and high temperatures.



MEMS SPRING PROBE

Our unique patented technology enables the production of the world's smallest class springs. By combining them with a micro plunger, we have developed a vertical MEMS spring probe.



KGD Test
AC DC Test

DBC Test
AC DC Test

Final Test
ISO AC DC Rth Test

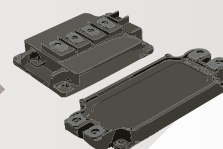
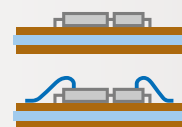
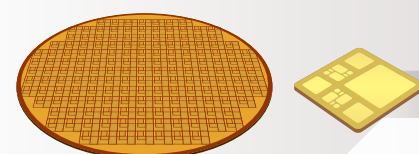
System Level Test
Reference Inverter & Simulator

Final Products
EVs, eVTOLs, motorcycles, trains, marine vessels

Frontend
Wafer/Die

Backend
Attach Sinter/Solder Wire/Clip Mold

System
Integrate



NATS Series

Inspection equipment for IGBT/SiC/GaN power modules.
Compatible with all kinds of tests,
including KGD and DBC tests.

NATS-1000

Automated in-line test system for isolation and static test in normal temperature, and static test and dynamic test in high temperature. Equipped with a heating and cooling chamber, it is capable of maintaining performance at a maximum temperature of 175°C.



NATS-1720/1730

A manual system for research and development. It can be integrated with other test processes as a consistent line for mass production.

Motor Test Bench

A test system is designed for performance evaluation testing of EV/HEV motors and E-Axles. It conducts high-performance evaluation tests by selecting from a wide range of parameters, such as current, voltage, and rotational speed. The system's automation function also helps reduce costs by minimizing labor and cutting power consumption.



E-Transport Simulator

A simulation software used in design and analysis of electric vehicles. It proposes motors and components that are suitable for the vehicle's conditions and driving environment, thereby reducing testing time and streamlining the analysis of differences with actual measurements.



Reference Inverter / Motor Emulator

An inverter system can drive various motors, such as those used in xEVs and industrial applications. It is equipped with a wide range of control functions for current, torque and speed, allowing for efficient motor testing. We also offer motor testing services and can design and build custom motor systems.



Device Test

- Touch panel
- OLED
- Gyro sensor
- Acceleration sensor
- MEMS microphone
- Ceramic capacitor etc.

AC/DC MULTI TESTER
R-700 Series



Ultra-high insulation

High speed
High precision

Micro-Capacity
Inspection
High resolution

4-wire resistance
measurement
0.1mΩ~

Maximum test points
512 pins

Compact design

Our global network of development, production, and sales bases works seamlessly to precisely address the needs of each local market.



NIDEC ADVANCE TECHNOLOGY VIETNAM CO., LTD.



NIDEC SV PROBE VIETNAM CO., LTD.



NIDEC ADVANCE TECHNOLOGY KOREA CO., LTD.



NIDEC ADVANCE TECHNOLOGY ZHEJIANG CORPORATION



NIDEC ADVANCE TECHNOLOGY CORPORATION (Headquarters/Factory)



NIDEC ADVANCE TECHNOLOGY TAIWAN CORPORATION



NIDEC ADVANCE TECHNOLOGY (THAILAND) CO., LTD.

CORPORATE DIRECTORY

Overview

Foundation

November 25, 1991

Business

1. Semiconductor Package Inspection Systems
2. Printed Circuit Board Inspection Systems
3. Inspection Fixtures
4. Optical Vision Inspection Systems
5. Flat Panel Display Inspection Systems
6. Automatic Measurement Equipment, Specific Application Machines Development/ design, manufacturing, and sales of software/ hardware relating to the products above

Capital

938 million yen (as of March 31, 2025)

Shareholder

NIDEC CORPORATION (100%)

History

- 1991 Nov. Read Electronics (Currently Nidec Advance Technology Corporation) founded.
- 1997 Mar. Shimo Industrial Corp. (Currently Nidec Drive Technology) acquires a stake in Read Electronics.
- Apr. Nidec Corporation acquires a stake in Read Electronics.
- Oct. Corporate name changed to NIDEC-READ CORPORATION.
- 2000 Jul. NIDEC-READ TAIWAN CORPORATION (Currently Nidec Advance Technology Taiwan Corporation) established.
- Aug. NIDEC-READ shares listed on the second section of the Osaka Securities Exchange.
- 2002 Mar. NIDEC-READ joined 5 other Nidec group companies to establish Nidec System Engineering (Zhejiang) Corporation, in Pinghu, Zhejiang Province, China.
- Oct. Corporate name changed to NIDEC-READ CORPORATION.
- 2003 Aug. Corporate Headquarters moved to Ukyo-ku, Kyoto.
- Sep. NIDEC-READ acquires a stake in Advance Korea Corporation (Currently Nidec Advance Technology Korea Co., Ltd.).
- 2004 Mar. Nidec-Read (Shanghai) International Trading Co., Ltd. established.
- 2009 Feb. NIDEC-READ acquires a stake in LuzCom Inc. (Currently Nidec Advance Probe Corp.).
- Apr. NIDEC-READ (ZHEJIANG) CORP. (Currently Nidec Advance Technology Zhejiang Corp.) established by spinning off operations from Nidec-system Engineering (Zhejiang) Corp.
- Sep. NIDEC-READ (THAILAND) CO., LTD. (Currently Nidec Advance Technology (Thailand) Co., Ltd.) established.
- 2011 Jul. SHANGHAI BRANCH OF NIDEC-READ (ZHEJIANG) established by merger of Nidec-Read (Shanghai) International Trading Co., Ltd. to NIDEC-READ (ZHEJIANG).
- 2012 Jul. NIDEC-READ INSPECTION CANADA CORPORATION (Currently Nidec Advance Technology Canada Corporation) established.
- 2013 Jul. After Tokyo and Osaka Securities Exchange were united as of 16 July 2013. NIDEC-READ is listed on the second section of Tokyo Securities Exchange.
- 2014 Oct. NIDEC-READ becomes Nidec Corporation's wholly owned subsidiary through a share exchange
- 2017 Oct. NIDEC-READ acquires a stake in SV Probe Pte. Ltd.(Currently Nidec SV Probe Pte. Ltd.).
- 2022 Aug. Corporate Headquarters moved to Muko-Shi, Kyoto.
- Nidec Advance Technology Malaysia Sdn. Bhd. established.
- 2023 Mar. Nidec Advance Technology Vietnam Co., Ltd. established.
- Apr. Corporate name changed to NIDEC ADVANCE TECHNOLOGY CORPORATION.
- 2024 Jun. Nidec Advance Technology India Private Limited established.

NETWORK

■ JAPAN

- 1 NIDEC ADVANCE TECHNOLOGY CORPORATION(Headquarters/Factory)
Nidec Advance Probe Corporation(Headquarters)
- 2 Tokyo Sales Office
- 3 Nagoya Sales Office
- 4 Nidec Advance Probe Corporation(Kyusyu Factory)
- 5 Nidec SV Probe Corporation(Tokyo)
- 6 Nidec SV Probe Electronics Corporation(Hokkaido)

■ TAIWAN

- 7 Nidec Advance Technology Taiwan Corporation
Taoyuan city

■ SOUTH KOREA

- 8 Nidec Advance Technology Korea Co., Ltd.
Seoul/Cheongju

■ CHINA

- 9 Nidec Advance Technology Zhejiang Corporation
Pinghu, Zhejiang
- 10 NIDEC SV PROBE SUZHOU CO., LTD.
Suzhou, Jiangsu

■ THAILAND

- 11 NIDEC ADVANCE TECHNOLOGY THAILAND CO., LTD.
Chachoengsao

■ MALAYSIA

- 12 NIDEC ADVANCE TECHNOLOGY MALAYSIA SDN. BHD.
Kulim, Kedah

■ VIETNAM

- 13 NIDEC ADVANCE TECHNOLOGY VIETNAM CO., LTD.
Vinh Phuc Province
- 14 NIDEC SV PROBE VIETNAM CO., LTD.
Binh Duong province

■ SINGAPORE

- 15 NIDEC SV PROBE PTE. LTD.
Singapore

■ INDIA

- 16 NIDEC ADVANCE TECHNOLOGY INDIA PRIVATE LIMITED
Bengaluru

■ CANADA

- 17 NIDEC ADVANCE TECHNOLOGY CANADA CORPORATION
Saint-Laurent, Quebec

■ US

- 18 NIDEC SV PROBE INC.
Tempe, Arizona

- Nidec Advance Technology Group
- Nidec SV Probe Group