

Processing / Inspection Equipment (Electrical)



工艺设备/检查设备 (电气系统)

Automatic Test Equipment

电气检测装置
NIDEC-READ CORP--P44

This equipment offer to conduct open/leak inspections on motherboards, as well as many other printed circuit boards. They can be flexibly configured according to applications in terms of size, type and the number of test pins required.

本公司提供可对母板等各种电路板进行导通和短路绝缘 (OPEN/LEAK) 测试的多种检测装置。并根据检测对象的种类、大小和检测点数进行灵活应对。



STAR REC M6 II SW/UW for HDI Board
对应HDI多片电路板
STAR REC M6 II SW



NRFEIS-5060 for FPC
对应FPC多片电路板
NRFEIS-5060



For Real to Real COF
NRFEIS-3570



GATS-7800/8600 Series for Panel Board
对应BGA多片电路板
GATS-7800/8600系列



GATS-7700/7500/6300 Series for Frame Board
对应CSP多片电路板
GATS-7700/7500/6300系列



GATS-2000 Series for Single-image Board
对应单片载板
GATS-2000系列



AOI/Probe Card/Fixture/Software

光学式外观检测装置 / 探针卡的开发 / 检测治具/检测软件
NIDEC-READ CORP--P44

This equipment serves to conduct open/leak inspection of printed patterns inner/outer layers. These systems are also used to measure the shape of via holes and solder bumps and to find scratches and stains on wafers and substrates.

本公司提供种类丰富的光学式外观检测装置。运用光学技术来检测光掩膜内层板、外层板上的导体式样的短路绝缘，以及盲孔和半导体封装凸起的形状、瑕疵和污点等。



PCB Inspection
基板检查

Surface Mount
基板安装

PCB Separation
基板分割

Vision System
视觉系统

PCB Coating
基板涂层

Soldering Equipment
焊接装置

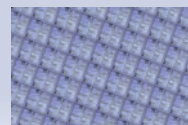
Wafer Transfer
晶片搬运

Photo-Lithography
光刻

Inspection
检查

Die Bonding / Wire Bonding
晶片键合/引线键合

Inspection
检查



2D/3D Bump Vision Inspection System
Warpage Inspection System RSH Series
2D 3D突起检测装置
弯曲形状检查装置RSH系列



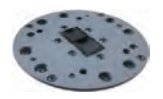
Wafer Bump Inspection System
RWI Series
晶片突起检测装置
RWI系列



3D Surface Profiling Measuring System NVM-6060GCP
3D形状检测装置
NVM-6060GCP



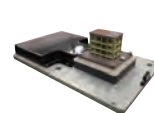
Innovative Proprietary MEMS Probe



MEMS Probe Cards

In addition to jigs and fixtures for probing conductors and electrode pads, NIDEC-READ provides specialized software for test point selection and log analysis.

除了可以高精度地检测导体和电极焊盘的治具外，本公司还提供可以抽出检测点数以及分析检测资料的软件。



High Accuracy Fixture for 4-wire Inspection
4端子检测治具



IG-Station for Inspection Data Editing / Log Analyzing
IG-Station
检测数据编辑、资料分析软件

Soldering Equipment

焊接装置

This equipment improves work efficiency & yield rate dramatically by employing twin-shaft system. It enables to realize IoT connectivity and full automation by equipping to automatic platform. This precision automation can easily solder like a skilled engineer.

采用双联式交替方式，大幅度的提高了作业性以及稼动运行率。另外开始LOT化之后有可能会实现完全自动化的对应。对于需要依赖熟练者才能做的细小细微处的精密焊接，(现)即使是新手也能进行及时的对应。



Soldering Equipment
焊接装置

Dispenser/Coating Machines

点胶机、涂层装置

In combination with a variety of dispensing modules using our original technology, we will meet diverse needs for the application of various media.

利用独特的技术与各式各样的涂布模块进行组合，满足多元化的涂布要求。



Application Machines
台式涂布装置



PCB Coating Machines
基板涂层装置



PCB Separator
台式基板切割装置

PCB Separation Machines

基板切割装置

NIDEC MACHINERY CORP--P47

Easy-to-use & Cost-effective high performance table-top machine.

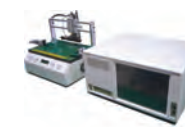
操作方便以及性价比极高的高性能小型台式机。

fF-level Capacitance / fF-level Impedance Measurement Tester

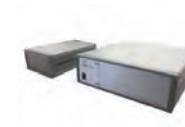
微电容/微阻抗/半导体测量仪

The inspection systems and testers detect open and leak defects of display/input devices including touch screen panels and glass boards, using contact/non-contact test technologies.

运用丰富的接触及非接触检测技术，为单片及多面大型面板各尺寸规格的触摸屏及液晶屏提供通电/绝缘检测。



Inspection System for Single-image Touch Panel NRTES-1000 Series
单片触摸屏检查装置
NRTES-1000系列



fF-level Capacitance / fF-level Impedance Measurement Tester R-700 Series
微电容/微阻抗/半导体测量仪 R-700

Measurement Unit

测量仪器



Open/Leak/IC connect measurement system
导通和短路绝缘测试仪
R-5920系列



Compact Tester R-580
袖珍型测试仪 R-580



Open/Leak/R-6100 measurement test for FPC
FPC电路板用测试仪R-6100

Specific Application System

特殊检测装置

Automotive device inspection systems and the specific application systems collectively support the customers' productivity improvement by working in their process lines around open/leak test and post-packaging.

随着汽车电子化的发展，用于车载零部件的功能检测、导通绝缘检测及零部件装配后检测等特殊检测装置、仪器的市场需求也日益凸显。这些产品为客户的生产高效化提供强有力的技术后盾。



REC-92FT for Laser Active Trimming System
激光主动微调装置
REC-92FT



LSR-3230 for Laser Passive Trimming System
激光被动微调装置
LSR-3230



Power analyzer DEWE3-PA8



Data Logger DEWE3-A4



Processing / Inspection Equipment (Mechanical)

工艺设备/检测设备 (机械系统)

Press Machines

冲压机

NIDEC SHIMPO CORP.—P43

Utilizing the technology, production sites, and sales networks of MINISTER, KYORI, ARISA, VAMCO, SYS and CHS, we handle from small-sized to large-sized automatic press machines and peripheral equipment.

利用MINISTER, KYORI, ARISA, VAMCO和SYS的技术, 生产基地和销售网络, 对应从小型到大型的自动冲压机和外围设备。



KYORI Fine Precision High Speed Automatic Press Machine ANEX Series
KYORI高速精密自动冲压机 ANEX系列

KYORI Big Size High Speed Precision Press Machine TVX Series
KYORI大型高速精密自动冲压机 TVX系列

KYORI Variable stroke press

KYORI Fine Precision High Speed Automatic Press Machine SX-20
KYORI超高速精密自动冲压机 SX-20

KYORI Servo Press Machine SS-SV Series
KYORI伺服冲压机 SS-SV系列



MINISTER High Speed Precision Press Machine P2H Series
MINISTER 高速·高性能冲压机 P2H系列



EV Motor Lamination Press Machine EV Series
MINISTER 大型·高速·高性能冲压机 PM4系列



ARISA Big Size Link Drive Press Machine Big Size Servo Press Machine
ARISA大型链驱动冲压机大型伺服冲压机



VAMCO Servo Roll Feeder QUANTUM Series
VAMCO伺服卷筒送料机 QUANTUM系列



SYS Cutting and Welding unit

Gearbox and Clutch/ Brake for Press Machines

冲压机用部件

NIDEC SHIMPO CORP.—P43



KA, ECO-KA Series



Lutex Series



Servox Series



Power Gear

Large Custom Gearboxes

特殊定制大型减速机

NIDEC SHIMPO CORP.—P43

Our highly-complex special gearbox covers all of the customer's requirement for innovative drive technology. This tailor-made solution is used in various application such as test bench, mining, rolling mills, rubber and plastic industry, cement industry and conveyor technology.

针对您的应用, DESCH定制设计减速机适用于多种行业, 包括采矿输送机、轧制设备、橡胶/塑料行业和水泥行业。



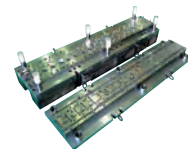
Die Design / Manufacturing

模具设计及制作

NIDEC COPAL CORP.—P45

With aggressive investments to advanced production equipments such as CAD/CAM, Wire-Cutting, and machining center, we provide high precision, high quality progressive stamping molds. Especially utilized for high precision components in electronic devices.

本公司凭借CAD/CAM系统和线切割、加工中心等最先进设备的积极投入, 致力于高品质、高精度的加工, 来实现高附加值的精密顺送冲压模具的设计制作, 可满足家电和车用音响产品等小型精密部件的要求。



Progressive Die 大型冲压模具



Tooling Trial Parts 模具试做样件

Measurement / Assembly Equipment

测量和组装设备

NIDEC TOSOK CORP.—P43 NIDEC SHIMPO CORP.—P43 NIDEC MACHINERY CORP.—P47

We are involved in a technical revolution for measuring equipment by developing high value-added products that spur on the development of Automatical Measuring Machine and image processing technologies. We respond to the varied needs of our customers with advanced processing technologies.

我们致力于测量仪器的技术创新, 开发了在专业领域的各种自动测量装置及图像处理技术, 使之发展而延伸出高附加价值的产品。我们将以高度的加工组装技术力为基础, 不断完善此生产体系, 满足客户的多种需求。

Safety Clutch for Extruder 挤出机用安全离合器

NIDEC SHIMPO CORP.—P43



Planox Safety Clutch

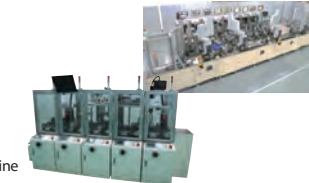
Centrifugal Gearbox 远心分离机用减速机

NIDEC SHIMPO CORP.—P43



ZG Series

Modular Automation Line 模块化自动生产线



Production Line Integrated 3D Visual Inspection Equipment 在线3D形状外观检测装置



RVL Series 3D Scanner RVL型3D扫描仪



RVP Series 3D Scanner RVP型3D扫描仪

NIDEC SHIMPO CORP.—P43



KA, ECO-KA Series



Lutex Series



Servox Series



Power Gear

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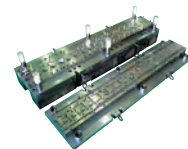
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Progressive Die 大型冲压模具



Tooling Trial Parts 模具试做样件

Mobile Robots

无人搬运车

NIDEC SHIMPO CORP.—P43

This is the next generation of AGV allowing guideless traveling and operation, meaning the AGV can easily change route because it does not use magnetic tape tracks. In addition, S-CART traveling control via WiFi and travel history management are available features, among others.

新一代AGV已实现自动引导。由于不需要磁带, 所以容易调整路径。本产品借助WiFi, 还支持驾驶管理和运行记录管理等扩展功能。可提供各种可选项, 根据客户的设备提供最佳导入方案。



Mobile Robots S-CART 无人搬运车 S-CART



Mobile Robots S-CART1000 无人搬运车 S-CART1000



Target Guided Autonomous Robot 跟踪搬运机器人 "THOUZER" 是株式会社Doog的产品

Precision Measuring Instruments

计测仪器

NIDEC SHIMPO CORP.—P43

Nidec provides three categories of measurements, which contribute to the customer's quality improvements. 1) Speed meter which counts the revolution of the rotation, 2) Torque meter and 3) Push/pull gauge which numerically controls at high precision.

测量旋转物旋转次数及速度的“转速计”, 测量盖子开闭力的“扭矩计”和高精度进行推拉力数值管理的“推拉力计”。三类产品均可帮助客户提高品质管理能力。



Force Gauge 推拉力计



Digital Torque Meter 扭矩仪



Tacho Meter 转速计



Processing / Inspection Equipment (Mechanical)

工艺设备/检测设备 (机械系统)

Machine Tools

机床

NIDEC MACHINE TOOL CORP.—P48

We provide gear cutting machines, tools, and gear grinding machines to contribute to high value-added gear machining for our customers. And we also have a lineup of large machines and precision processing machines that boast of its high precision.

我们提供齿轮加工机床、刀具和磨齿机，为客户提供高附加价值的齿轮加工。此外，我们还拥有一系列高精度的大型机床和精密加工机床。



High-precision gear rolling machine
GE15FR Plus
高精度滚齿机
GE15FR Plus



Gear Grinding Machine ZE16C
齿轮磨齿机 ZE16C



Gear Grinding Machine
(Internal / External)
Z120A
齿轮磨齿机 (内齿·外齿)
Z120A



Vertical Precision Milling Machine
MVR30Ex
龙门式五面加工机
MVR30Ex



Horizontal Boring Mill
(Table type) MAF130E II
刨台式镗铣床
MAF130E II



Micro Milling Machine μV1
精密加工机 μV1

Laser Products / Room Temperature Wafer Bonder

激光产品/室温晶片接合装置

NIDEC MACHINE TOOL CORP.—P48

Based on our company's unique technology, we provide metal additive manufacturing machines using the powder DED method, laser micromachining system, and wafer bonders that enable semiconductor wafer bonding at room temperature.

我司可提供自主研发的利用粉末DED方式的三维金属成形装置、微细激光加工机以及可在常温环境下进行半导体晶片接合的装置。



Direct Energy Deposition Additive
Manufacturing System LAMDA
粉末DED方式三维金属造型系统
LAMDA



Laser Micromachining System ABLASER
微细激光加工机 ABLASER



Room-temperature Wafer Bonder
BOND MEISTER
室温晶片接合装置
BOND MEISTER

Precision Position Feedback Detector

精密位置检测器

NIDEC MACHINE TOOL CORP.—P48

These products are ultra-high-precision position detectors that detect linear position or angular position in a non-contact manner using the inductive coupling principle and ideal for detecting straight and angular positions of a variety of industrial equipment from machine tools and press machines to grinding machines.

它是一种利用电磁结合，非接触式检测长度和角度变化的超高精度位置检测器，最适合用来检测从机床到冲压机和磨床的各种工业机械的直线和角度位置。



Linear Feedback Detector
直线位置检测器



Rotary Feedback Detector
旋转角度检测器



Linear Feedback Detector
(Tape-type Scale for
Factory Automation)
直线位置检测器
(FA用测深仪)



A/D Converter
A/D转换器

Precision Cutting Tools

精密切削刀具

NIDEC MACHINE TOOL CORP.—P48

Supplying a variety of gear cutting tools and broaches together with our machine tools makes it possible for us to contribute to our customers' high productivity and high precision processing.

我们具备齿轮加工及拉齿加工所需的切削刀具，可同时提供机床和刀具。为客户的高生产性和高精度加工提供服务与支持。



Hobs
滚刀



Shaper cutters
插齿刀



Shaving cutters
剃齿刀



Broaches
拉刀

Gearbox for Machine Tools

机床零件

NIDEC SHIMPO CORP.—P43



Speed Reducer (ABLE)



FLEXWAVE



Denox MGS



Denox HSE



KS Twin Gear