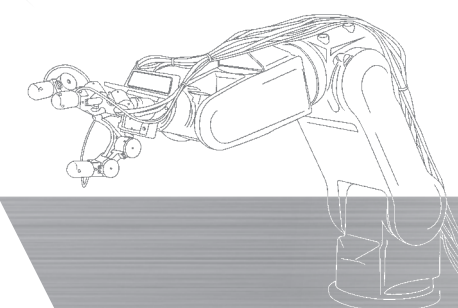
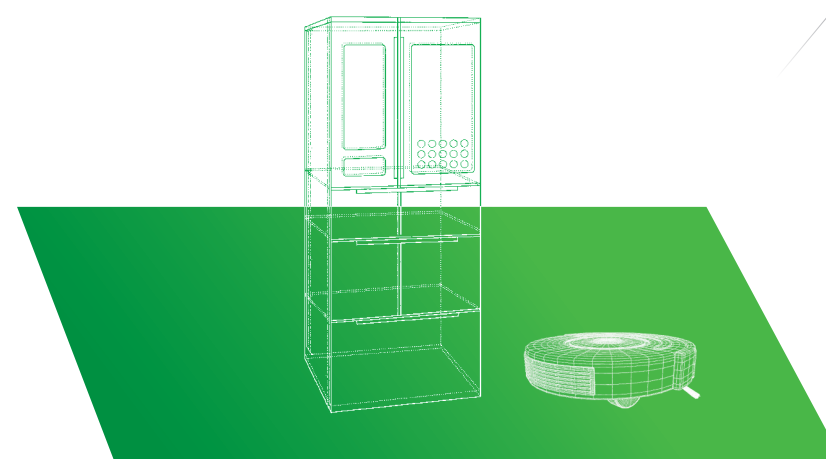
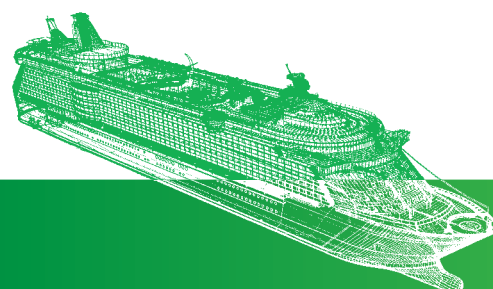
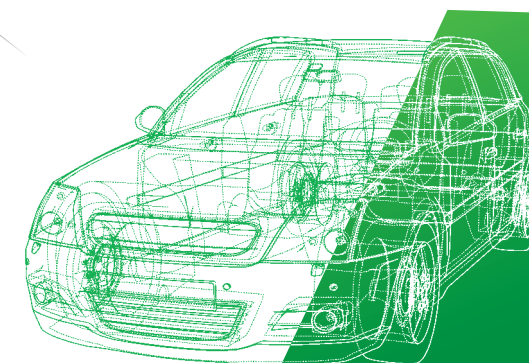


Nidec

Group Products Catalog
8th Edition

Nidec
All for dreams

<https://www.nidec.com/>



For Everything that Spins and Moves

致力于所有的“转动体与移动体”

Robotics

Energy saving

Automotive

5G

Industrial

Logistics

IoT Products



Aiming to Become a Pioneer of the Drive Technology for All Sizes of Motors – from Small Precision Motors to Ultra-large Ones

While cementing its position as the world's leading HDD motor manufacturer, Nidec has successfully expanded its business portfolio, which ranges from small precision motors to super-size ones. Our products are now used not only in information technology and office equipment, but also in a wide range of other areas such as home appliances, automobiles, commercial and industrial equipment, and environmental energy-related products. The current business environment is presenting us with unprecedentedly large business opportunities as we are poised to catch five big waves of technological innovation, i.e., “automotive electrification,” “expansion of robot applications,” “the move towards energy-efficient brushless DC motors in the home appliance market,” “manpower saving with drones and other motor-related products in agriculture and logistics,” and “next-gen technologies stemming from 5G communications.” There is great potential for Nidec to capture majority market shares and dominate these business fields if we can leverage our long-cultivated technological capabilities and catch these waves. Focused on “everything that spins and moves,” the Nidec Group stays committed to creating next-generation drive technologies to meet the needs of society.

Upholding the Three All-Time Essential Attitudes as Our Driving Force, Nidec Continues to Take on Challenges on a Worldwide Scale to Become “the World’s Leading Comprehensive Electronics Manufacturer.”

With approximately 300 group companies operating around the world, Nidec develops, produces, and sells all kinds of motors ranging from small precision motors to super-large ones. Underpinning our business activities are the three essential attitudes, i.e., “Passion, Enthusiasm, Tenacity,” “Working hard and smart,” “Do it now; do it without hesitation; do it until completed” to become the world’s leading company. We will continue to create synergies among group companies via close collaboration with one another, produce the world’s leading products and solutions comprising our motors, peripheral equipment, and applied products, and provide our customers with new values to become a company that will grow sustainably even 100 years from now. Transforming from the world’s leading comprehensive motor manufacturer to the world’s leading comprehensive electronics manufacturer, the Nidec Group never ceases to work for the better future.

努力打造精密小型马达至超大型电机领域中驱动技术的领军企业

本公司已在硬盘驱动器主轴马达领域铸就了坚实的地位。与此同时，产品阵容也逐步从各种小型马达扩大至超大型电机。如今，本公司的产品不仅在通讯设备及办公自动化设备领域变得随处可见，还在家电、汽车、商业、工业设备、环境能源等越来越多的领域中得到了普及与应用。现在本公司已迎上五大技术创新的浪潮：“汽车电动化”，“机器人应用的扩展”，“家用电器的无刷直流电机化”，“伴随农业和物流业省人化的无人机等电机产品的扩大”，“伴随5G通信的新一代技术”，商业环境充满了前所未有的机遇。只要拥有迄今掌握的基础技术，就可能驾驭这些巨大浪潮，在全球这些领域拥有市场主要份额。日本电产集团以所有“转动体与移动体”为关键词，创造满足社会需求的新一代驱动技术。日本电产集团始终致力于所有的“转动体与移动体”，并在创造能够满足市场需求的新型驱动技术的道路上拼搏不息。



我们以创业以来始终不渝的三大精神为原动力，以成为“全球首屈一指的综合机电产品制造商”为目标，今后将一如既往地在全球范围内勇攀新高峰。

本公司是一家经营范围覆盖精密小型马达至超大型电机的“全球颇具实力的综合马达制造商”，同时在世界各地拥有300多家集团企业。本公司能够铸就今天的地位，凭借的是始终不渝地追求领先的“热情、热忱、执着”“智慧型奋斗”“立刻能干！一定要干！干到成功！”这三大精神。这些精神既是我们的象征，又是我们公司的优势。今后，我们将一如既往地加强集团企业间的密切合作，发挥协同效应，通过马达及其周边设备、应用设备为客户创造出优质的产品 & 解决方案，提供全新的价值，努力打造一家稳健成长的百年企业。从“全球颇具实力的综合马达制造商”到“全球颇具实力的综合机电产品制造商”，日本电产集团定将披荆斩棘、不停息。








Contents

Our products are at work in a wide range of fields including information technology and office equipment, automotive, robotics, home appliances, IoT, commercial and industrial and processing, etc.

本公司产品不仅广泛运用于通讯设备及办公自动化设备行业，而且在
车载、机器人、家电、IoT、商业/工业设备、工艺设备等越来越多的领域也得到了普及应用。

Click  on each page to go to the website.
单击每页上的  标记以转到网站。

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单击此处链接视频库。

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Automotive

车载

Advanced Driving Assistance Systems

ADAS (高级驾驶辅助系统)

NIDEC SANKYO CORP.~P41 NIDEC MOBILITY~P43 NIDEC ELESYS CORP.~P43 NIDEC COPAL CORP.~P44

It is becoming more vociferous in people's demands for safety with peace of mind for both drivers and pedestrians.To meet those demands, we provide Millimetric Rader Units, Forward sensing cameras and furthermore, we provide products which provide high image recognition and its control, by combining the technology of raders and cameras.

针对市场安心/安全驾驶并降低对行人危害性功能需求的急速增加。日本电产艾莱斯使用毫米波雷达和外部探测相机，以及将雷达和摄像机组合的方式，为客户提供高度认知和控制的产品。



New Sensor Fusion
雷达摄像头一体机

Camera Module for
Sensing Camera
探测用摄像头模组



Surround View
Camera Lens Units
周边监控摄像头用镜头组件



Lens unit for
automotive camera
汽车镜头组件*用于驾驶监控等
(防止驾驶员睡着和分心
导致的事故)



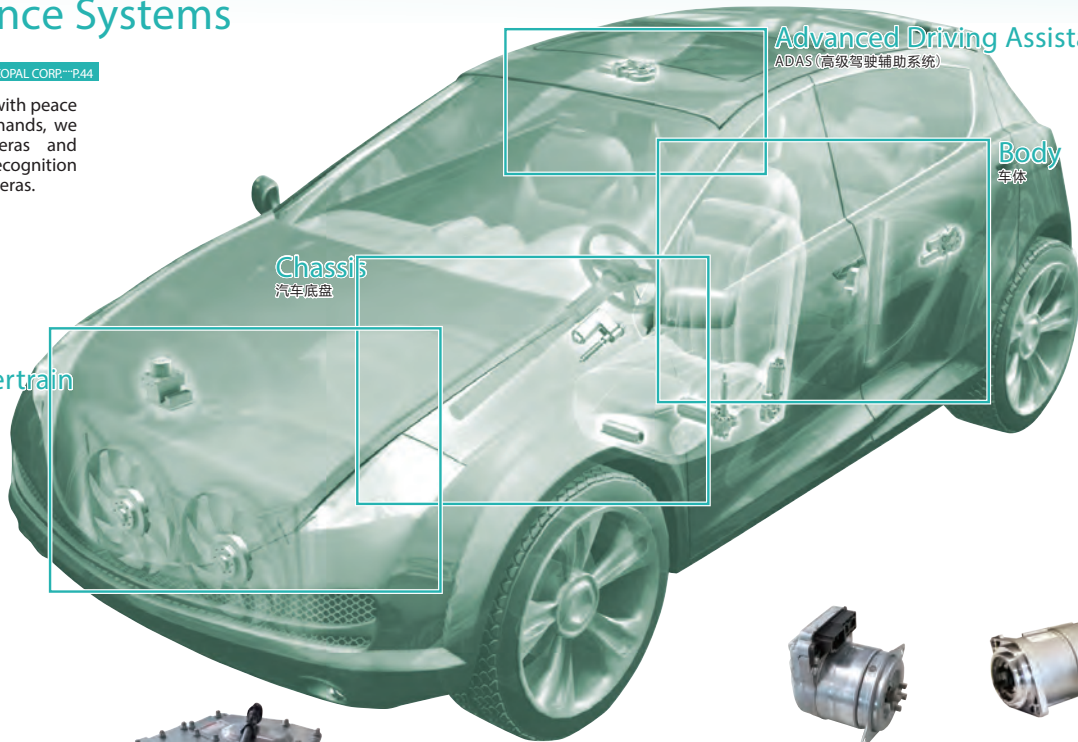
Camera module for
electronic mirror
电子后视镜用
摄像头模组



Shutter for IR camera
红外相机快门

Powertrain

动力传动



E-Axle (Traction Motor System)

E-Axle (牵引电机系统)

Powertrain

动力传动

NIDEC CORP.~P39 NIDEC SANKYO CORP.~P41 NIDEC TOSOK CORP.~P41 NIDEC MOBILITY~P43 NIDEC COPAL CORP.~P44 NIDEC GPM GmbH~P46

Because of tighter fuel consumption regulations to prevent the global warming, it is the current trend to shift from the engine driven to the motor drive for the fuel economy improvements of the system itself. This trend creates the increasing demands of motors, especially,Nidec's transmission actuators have been widely used in the market and withstand the severe environmental conditions.

伴随全球气候变暖对汽车排放提出了越来越严格的要求，为改进系统自身的效率，动力传动系统由引擎驱动方式转变为马达驱动方式成为市场的主流，马达的需求随之不断增加。特别是在汽车变速箱领域，本公司马达在市场上被广泛采用，并能够很好地适用于各种恶劣环境。



Advanced Driving Assistance Systems

ADAS (高级驾驶辅助系统)

Body
车体

Chassis

汽车底盘

NIDEC CORP.~P39 NIDEC SANKYO CORP.~P41 NIDEC MOBILITY~P43 NIDEC ELESYS CORP.~P43

Nidec provides high quality ECU that is very critical to the vehicle control.Especially, the usage ratio of Electric Power Steering (EPS) has been rapidly increasing due to the high contribution of the improvement of the fuel economy. And we are the world's largest manufacturer of EPS motors. Also, our ECU, which control EPS motors, are also in production with high quality in the field.

我们还提供在车辆控制上起着重要作用的、高品质的控制马达用ECU。特别是由于油耗改善效果佳，EPS的搭载率也随之迅速上升。我们已经确立了EPS用马达供应商的地位并且在向市场提供高品质的EPS马达控制用ECU及EPS用电机一体化动力包。



Electric Power Steering Motors & ECU
电动助力转向系统用马达、ECU

Electric Power Steering ECU (EPS)
电动助力转向ECU

EPS Powerpack
EPS用电机一体化动力包 (柱形)

EPS Powerpack
冗余EPS用电机一体化动力包 (梁形)

ABS/ESC Motor
ABS/ESC马达

ABS ECU
ABS用ECU

Suspension Oil Valve Control Stepping Motors
悬架油阀控制用步进马达

Body

车体

NIDEC CORP.~P39 NIDEC SANKYO CORP.~P41 NIDEC MOBILITY~P43 NIDEC COPAL CORP.~P44 NIDEC MOTORS & ACTUATORS~P46

We provide motors for devices which improve the comfort of the driver and passengers. Also utilization ratio of motors has been increasing thanks to the high-capacity battery which is used for hybrid vehicles.We provide not only motor products but also modularized products, like geared motors and ECU integrated motors.

我们提供用于提高驾驶员、乘客的舒适度的装置驱动马达。伴随混合动力汽车上越来越多地使用大容量电池，对马达的需求也在不断增加。本公司不仅为客户提供单机产品，也提供附带齿轮或ECU的模组化产品。

Interior

内饰



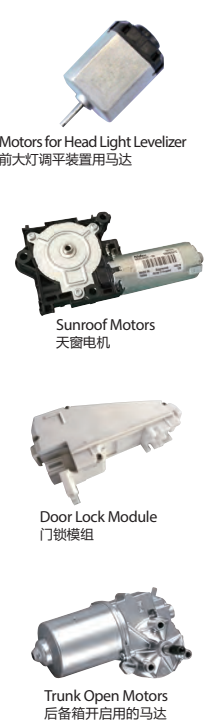
Automotive Door Mirror Parts, Audio Panel, Switch Parts
汽车门后视镜零件、音响面板、开关元件

Rivet Contacts for Automotive Relays and Switches (MALLOBOND)
车载继电器和开关用复合铆钉接点

Rivet Contacts for Automotive Relays and Switches
车载继电器及开关用铆钉接点

Exterior

外饰



Motors for Head Light Levelizer
前大灯调平装置用马达

Sunroof Motors
天窗电机

Door Lock Module
门锁模组

Trunk Open Motors
后备箱开启用的马达



Robotics

Commercial / Industrial Robot

机器人(商业/工业用机器人)

Industrial Robots

工业用机器人

NIDEC SANKYO CORP. P41

Robot has the ability of 3 and 4 FOUps handling without track axis. As compared with the previous generation, the throughput was improved by 30% with the high speed operation.

无行车轴、对应3和4 FOUps的产品群，高速动作改善率提高30%以上（与本公司以前比），小型轻量设计（节省空间）。



Wafer / LCD Transfer Robot
晶片搬运机器人



Robot Controllers
机器人控制器



LCD Panel Handling Robot
液晶玻璃基板搬运机器人

Guideless AGV S-CART

无人搬运车 S-CART

NIDEC SHIMPO CORP. P40

Next generation AGV with guideless operation capabilities.

可实现无磁条导向的新一代AGV。

Guideless AGV S-CART
无人搬运车 S-CART



AC / DC Servo Motors & Drivers

交流/直流伺服马达、驱动器

NIDEC SANKYO CORP. P41 | NIDEC MOTOR CORP. P47 | NIDEC LEROY-SOMER. P48 | NIDEC CONTROL TECHNIQUES LTD. P49

These are, developed on a foundation of extensive experience with servo motors, can be applied to a wide range of applications and needs. Product lineup which supplies best solution meeting any uses and needs.

在工业机器人用伺服马达领域，本公司拥有丰富的生产经验、雄厚的技术力量以及种类俱全的产品阵容，针对客户的不同需求与使用目的，为客户量身打造最佳解决方案。



UNIMOTOR FM

UNIMOTOR HD (AC Servo Motor)

Universal AC/Servo Drivers
AC交流马达/伺服驱动器

LD Series
(DC Servo Motor)

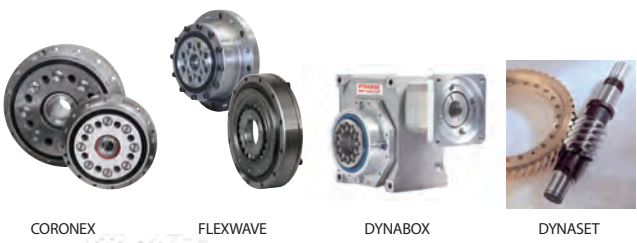
Reducer Series

减速机产品阵容

NIDEC SHIMPO CORP. P40 | NIDEC LEROY-SOMER. P48

High precision reducer is an important component as parts of industrial robots or service robots. FLEXWAVE is used for tip axis of the robot. CORONEX series is used for base axis of the robot. DYNABOX is right-angle precision servo-gearheads for heavy duty applications.

无论是工业用还是服务型机器人，精密控制减速机必不可少。本公司拥有从用于手腕轴的小型FLEXWAVE到用于基座轴的中、大型CORONEX的丰富的产品阵容。DYNABOX是用于工业的直角精密伺服齿轮头，即使在恶劣的环境下也经久耐用。



CORONEX

FLEXWAVE

DYNABOX

DYNASET

Reducer movie
减速机视频



Robotics

Service / Social Robot

机器人(服务型机器人、社交机器人)

Camera

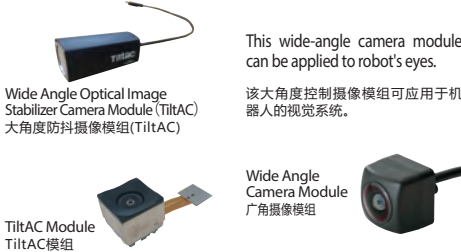
摄像头

NIDEC SANKYO CORP. P41

NIDEC COPAL CORP. P44

Camera module having mechanical stabilizer, which can suppress blurring up to +/-6 deg wide angle. This can be applied to the vision sensor and robot eyes.

±6度的大角度防抖摄像头。可用作无人机、服务型机器人的眼睛和视觉传感器。



Wide Angle Optical Image
Stabilizer Camera Module (TiltAC)
大角度防抖摄像模组 (TiltAC)

TiltAC Module
TiltAC模组

This wide-angle camera module can be applied to robot's eyes.

该大角度控制摄像模组可应用于机器人的视觉系统。

Wide Angle
Camera Module
广角摄像模组

Tactile Device

触觉设备

NIDEC SANKYO CORP. P41

NIDEC COPAL CORP. P44

Tactile devices communicate a variety of information to users through vibration-activated touch sensations, they can be applied for the user-interface of robots.

该款振动装置能够为指尖带来不同的触觉体验，是机器人用户界面的最佳选择。



DC Servo Module Motor for Wheel Drive

直流伺服模组

NIDEC COPAL CORP. P44

With our servo-motors, high torque is obtained by built-in gear reducer and rotation angle and speed can be controlled freely by control circuit board. Good controllability and quietness make it ideal for driving of robot joints.

伺服模组内置减速机，输出扭矩强，可以通过控制基板任意调整旋转角度和速度，实现良好的操控性和静音化，最适用于机器人关节驱动。



DC Servo module
直流伺服模组

轮毂驱动模组

NIDEC CORP. P39

NIDEC SHIMPO CORP. P40

With the magnetic technology and reducer which are used in the electric-assisted bicycle motor, we realized high performance, high reliability and high productivity. It is a compact in-wheel motor that is optimized to the electric wheelchair application.

这是一款小型轮毂电机，因为采用了电动辅助自行车用马达核心技术之磁性设计和减速机设计，性能好、可靠性和生产效率高，最适于电动轮椅。



Motor for Wheel Drive
轮毂驱动模组

Ultra-Flat Geared Actuator

超薄平执行器

NIDEC CORP. P39

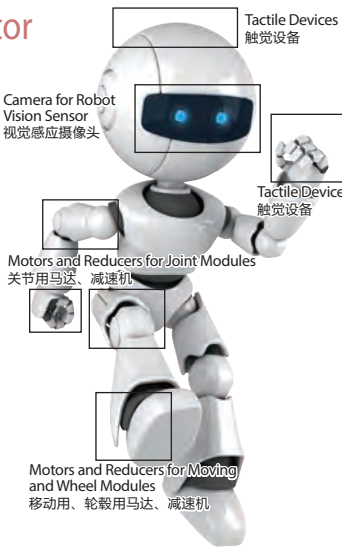
NIDEC SHIMPO CORP. P40

It is integrated product of Nidec Shimpco's strainwave gearing with a built-in Nidec's miniaturized high output BLDC motor. Its features compact, lightweight, high reduction and unparalleled flatness allows to apply for power assist suite and personal mobility.

集小型、轻量、高减速、超高精度等特征于一体的日本电产新宝株式会社产谐波齿轮减速机 (FLEXWAVE) 内置日本电产株式会社产小型高输出无刷直流电机的集成品，厚度仅40毫米，可谓前所未有，最适于动力辅助服、电动轮椅以及个人移动工具等。



Ultra-Flat Geared Actuator
超薄平执行器



Drive Motors / Reducers

驱动马达、减速机

NIDEC CORP. P39 | NIDEC SANKYO CORP. P41 | NIDEC SHIMPO CORP. P40

Nidec offers the optimum solutions of robotics by providing the variety of motor technologies (Servo Module, Coreless Motors, Brush Motors, Stepping Motors and Brushless Motors) and reducers.

日本电产集团通过将各种马达技术（伺服模组、空心杯马达、有刷马达、步进马达、无刷马达）与减速机相融合，为客户提供最佳机器人解决方案。

NIDEC SERVO CORP. P45

NIDEC COPAL CORP. P44

NIDEC MOTORS & ACTUATORS P46

NIDEC MOTOR CORP. P47 | NIDEC LEROY-SOMER. P48

Output 输出功率	500W	1000W	1500W	2000W
Servo Module 伺服模组	1W 5W			
Coreless Motors 空心杯马达	2W 20W 60W			
Stepping Motors 步进马达				
Geared Motors 减速电机	20W 100W 60W	700W 800W		
Brushless Motors 无刷马达				
Brush Motors 有刷马达	5W 100W 15W	300W 1000W		
Reducers 减速机			1500W	
Wheel-in Motors 轮毂马达	300W			2000W



Home Appliances

家电

Air Conditioners

空调

NIDEC SANKYO CORP.—P41 NIDEC TECHNO MOTOR CORP.—P40 NIDEC MOTOR CORP.—P47

We contribute to the evolution of air-conditioners with our energy-saving, high-efficient BLDC motor, which leads our competition. Our AC motor, which has high demand in emerging countries, is developed with high performance and compact at a competitive price.

本公司领先其它公司一步，开发出节能·高效的无刷直流电机，为空调的进化发展做出了巨大贡献。并且在交流电机领域，也根据发展中国家的大量需求，开发出高性能且小型的产品，以具有竞争力的价格提供给用户。



BLDC/AC Motor

无刷直流/交流电机



HVAC Motors

商用空调



Actuator Units for Air Conditioners

空调用马达驱动组件

Louver Drive Units/
Filter Cleaning Units
空调摆叶驱动过滤器/
过滤器自动清洗机构驱动用



Rivet Contacts for Home Appliances
Relays (MALLOBOND)
家电用接点复合铆钉接点

Refrigerators

冰箱

NIDEC CORP.—P39 NIDEC SANKYO CORP.—P41 NIDEC TECHNO MOTOR CORP.—P40
NIDEC SERVO CORP.—P45 NIDEC GLOBAL APPLIANCE COMPRESSORES—P49

High energy-saving and Low-Noise performance is desired for refrigerators which run throughout a year. We have a variety of fans in our line-up to satisfy the needs. We also provide driving mechanism modules and get the highest market share in the field.

市场对全年不间断运行的冰箱要求具备高效节能和静音的特性。本公司的冰箱专用风扇马达高水平地满足这两个性能，种类繁多，应有尽有。另外，用于冰箱驱动的模式产品稳居全球市场份额之首。



Fan for Refrigerators

冰箱用风扇



Ice Makers

制冰机



Compressor for Refrigerators

冰箱压缩机

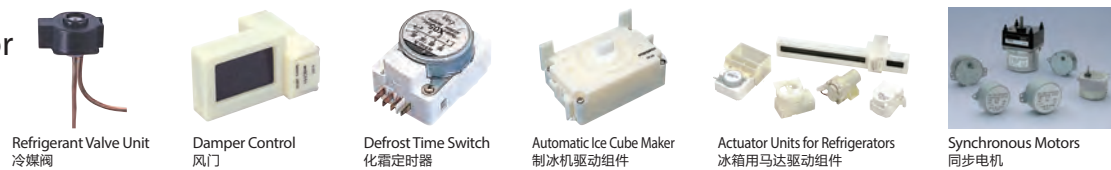
Hermetic compressors for home appliances
Encompassing a robust portfolio with fixed and variable speed (inverter) for residential refrigerators, NIDEC's compressors have low noise and vibration while reaching the highest efficiency levels.

家用电器密封压缩机
NIDEC压缩机涵盖了家用冰箱用定频和变频（变频器）全系列产品，实现最高效率的同时，保证了低噪音和低振动。



Actuator Units for Refrigerators

冰箱用马达驱动组件



Air Purifier/Electric Fan

空气净化器/电风扇

NIDEC CORP.—P39



BLDC Motors

无刷直流马达



Washers/Dryers

洗衣机、烘干机

NIDEC SANKYO CORP.—P41 NIDEC TECHNO MOTOR CORP.—P40
NIDEC SOLE MOTOR CORPORATION S.R.L.—P47

Nidec provides a full range of motors, especially designed for horizontal axis washers, fulfilling the most advanced standards. Increased efficiency for environment preservation, reduced noise for comfort of use makes Nidec the preferred independent partner for advanced drive solution worldwide. Full support to customers include expertise in electronic drives and a worldwide network to serve every region locally. For dryers, especially dedicated to the high-end market, and Nidec BLDC motors for dryer are the preferred solution for European region in the most advanced efficiency classes. Designed ahead of European regulations on energy labeling, Nidec motors stand out for their robust design.



Dryer Motors (BLDC, BPM)
烘干机用电机（无刷直流）



Washer Dryer Motor (BLDC)
洗衣机、烘干机用电机（无刷直流）



Direct Drive Motors for Washing
Machines (BLDC)
直接驱动型
洗衣机用电机（无刷直流）



Actuator Units for Full Automatic
Washing Machines
洗衣机用马达驱动组件



Belt Drive Motors for Washing Machines (BLDC/AC)
皮带驱动式洗衣机用马达（无刷直流/交流马达）



Drain Pump Unit
供排水用泵组件

Dishwashers

洗碗机

NIDEC SOLE MOTOR CORPORATION S.R.L.—P47

Nidec motorpumps for dishwashers are the result of deep knowledge and optimization in both electro-mechanic and hydraulic components. Outstanding results in vibration and noise performance are obtained thanks to optimization of magnetic configuration, allowing Nidec customers to achieve silent operation and low consumptions. Integration of heater is an available option.

通过对马达与水泵的结构设计进行了优化，本公司的洗碗机专用马达水泵现已成为一款具备市场竞争优势的产品。其中，振动与噪音方面的优势在于磁路的合理化设计使成品具备了静音与耗电低等特点。另外，洗碗机专用水泵还可以选择配备内置加热器。



Dishwasher Pumps (AC)
洗碗机专用水泵（交流）



Dishwasher Pumps
(BLDC, BPM)
洗碗机专用水泵（无刷直流）



Dishwasher Pump with
Integrated Heater
集成加热洗碗机泵



Vacuum Cleaners

吸尘器

NIDEC CORP.—P39

BLDC motor characteristic such as small, light-weight and high efficiency, completely meets the cleaner needs to be robotic cleaner and cordless cleaner (recent stick type cleaner), and it makes the cleaner performance much better.

无刷DC马达的小型轻便/高效的特点和吸尘器的机器人化（扫地机器人）和无线化（立式）需求相吻合，有助于提升吸尘器的性能。

For Robot Cleaner

机器人用



Motors for Wheel &
Main Brush
轮毂/主刷电机

Robot Blower (BL-V20)
扫地机器人用送风机

For High-Power Vacuum Cleaner

大功率真空吸尘器用



Stick Cleaner
Blower (BL-V50)
立式吸尘器用送风机

Stick Cleaner
Blower (BL-V60)
立式吸尘器用送风机

Canister Blower
(BL-V70)
卧式吸尘器用送风机



Logistics / Agriculture

物流 · 农业

Reducers

减速机
NIDEC SHIMPO CORP.:P40 NIDEC LEROY-SOMER:P48



HB Stepping Motors
for Actuator
执行器用
混合式步进电机
NIDEC SERVO CORP.:P45



Material Handling Vehicles

搬运设备
NIDEC MOTOR CORP.:P47 NIDEC LEROY-SOMER:P48

We design and manufacture low voltage (typically 24 - 72V) AC and DC traction and pump motors used in Class I, Class II and Class III forklifts as well as for the Aerial Work Platform markets. Motor power levels range from 1kW to 25kW.

本公司设计和生产1千瓦至25千瓦液压泵，I、II、III类叉车及高空作业车辆用的低电压（LV，24V-72V）交流和直流电机。

Class I Electric Counter-Balance Forklift

电动叉车（1类）



Steering Units for Forklifts

叉车用转向器

Steering Unit
转向器

Class II Warehouse Product Order Picker

仓库搬运车（2类）

Traction Motors
牵引电机

Class III Walkie / Rider Pallet Truck

码垛车（3类）

Traction Motors
牵引电机

Electric Scissor Lift

电动剪叉式升降平台车



Brushless DC Motors for Industrial Machinery

工业用无刷直流电动机

NIDEC SERVO CORP.:P45



Drone

无人机

NIDEC CORP.:P39 NIDEC SERVO CORP.:P45 NIDEC COPAL CORP.:P44

There are some lineup of drive motors and aperture units of camera adapted for various application from small drone to large drone.

我们提供的电机系列产品，能满足从小型无人机到大型无人机的各种应用需求。



Guideless AGV S-CART

无人搬运车 S-CART

NIDEC SHIMPO CORP.:P40

Next generation AGV with guideless operation capabilities.

下一代AGV，可实现无引导驾驶



Servo Motors / Geared Motors / Motors

伺服电机 · 减速机 · 马达

NIDEC SANKYO CORP.:P41 NIDEC MOTOR CORP.:P47 NIDEC LEROY-SOMER:P48 NIDEC CONTROL TECHNIQUES LTD.:P49



Construction / Mining / Agriculture

建筑设备、采矿、农业设备

NIDEC MOTOR CORP.:P47



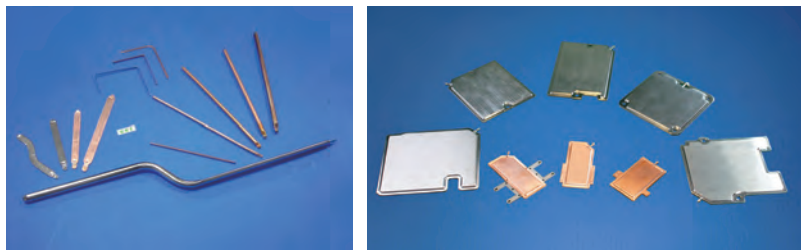


Thermal Management Device

导热/散热装置

In recent years, as the data amount handled in various fields has dramatically increased, and the amount of data stored in the cloud will increase explosively as it becomes a 5G (5th generation) environment. The speed of CPUs and electronic circuits has risen accordingly. Now, they are facing with heat generation problems. Through the collaboration with CCI, Nidec are proposing the thermal solutions that combine motors and thermal technology for our customers in world wide.

近年来，在各个领域中处理的数据量急剧增加，并且随着5G（第五代移动通信系统）环境的形成，存储在云中的数据量将爆炸性地增加。其结果，CPU和电路的运转将变得更快且产生发热问题。Nidec通过与CCI合作，为广大客户提供将电机产品和散热技术相结合的散热解决方案。



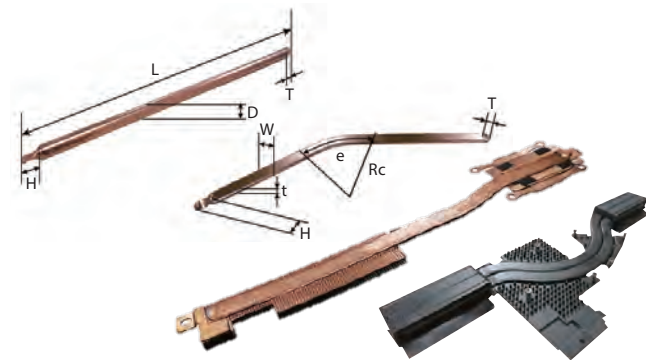
Heat Pipe / Module

散热管/模组

CHAUN-CHONG TECHNOLOGY CORP. - P50

Heat pipe is high efficient thermal conduct component utilizing the latent heat of evaporation and condensation. It can be customized based on the application.

使用蒸发和冷凝潜热的高效传热组件。 还可以根据实际机器的形状提供定制。



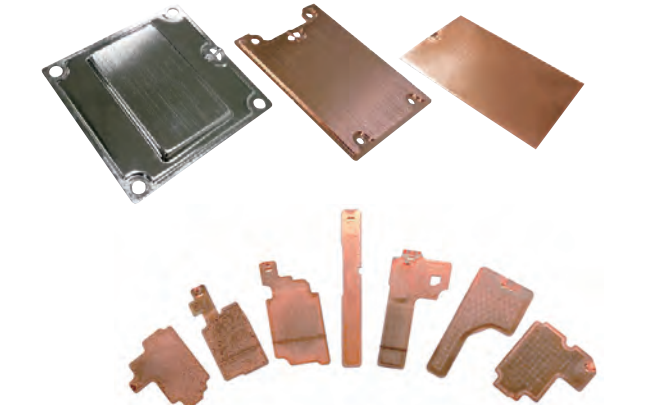
Vapor Chamber / Module

均热板/模组

CHAUN-CHONG TECHNOLOGY CORP. - P50

The heat transfer principle is the same as heat pipes, but it can be thinner and spreads the heat flatly. Thus, in even limited space such as inside of smart phone, high efficient thermal transfer can be realized.

传热原理与热管相同，但可更薄且可在整面上传递热量。 即使在智能手机内的狭小空间内，也可以进行有效的热传递。



Heat-Sink / Module

散热片/模组

CHAUN-CHONG TECHNOLOGY CORP. - P50

Heat sink is a component which moves heat with a metal plate or copper tube and cools itself with a heat radiation fin or fan. Thermal design can be optimized based on application.

用金属板或铜管移动热量并用散热片或风扇进行冷却的组件。 可以与实际机器相匹配实现最佳散热设计



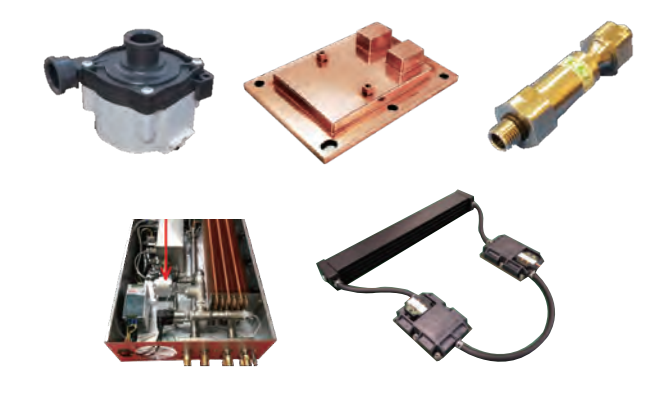
Liquid Cooling System

液体冷却系统

NIDEC SANKYO CORP. - P41 CHAUN-CHONG TECHNOLOGY CORP. - P50

This is a cooling system for high heating elements which air cooling is not sufficient. In consideration of the thermal design of the entire rack, Nidec is proposing an entire cooling system that combines the optimal components (heat sink, pump, fan, etc.).

这是一种空气冷却不能满足需要时的用于高发热元件的冷却系统，我们基于整个机架的热设计，将最佳组件（散热器/泵/风扇等）组合，提供冷却系统整体方案。



Tactile Devices

触觉设备

WONDER SENSE

WONDER SENSE is a generic brand name of Nidec tactile technology.
WONDER SENSE是尼得科的触觉技术的总商标

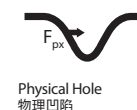
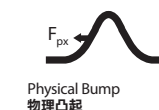
Our Tactile devices creates realistic sense of touch on devices such as smartphones, smart watches and PC with its excellent vibration characteristics. We provide wide variations of devices for design flexibility of our customers.

本公司提供通过振动构建触感，振动性能优良且设计灵活的各种触觉设备。因其触觉效果佳而被众多智能手机、PC、智能手表所采用。



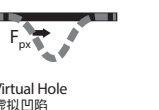
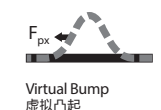
Physical Surfaces

物理表面



Virtual Surfaces

虚拟表面



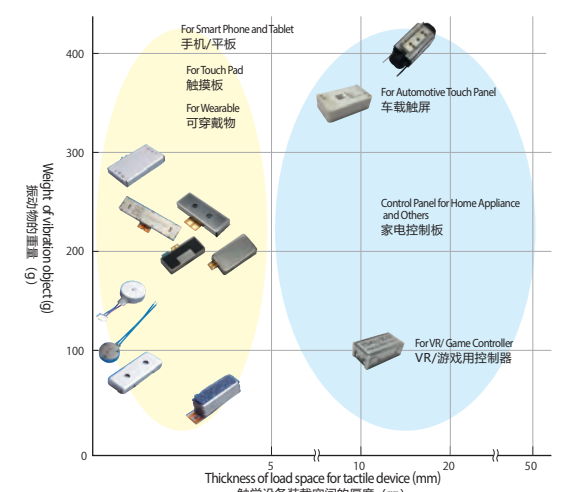
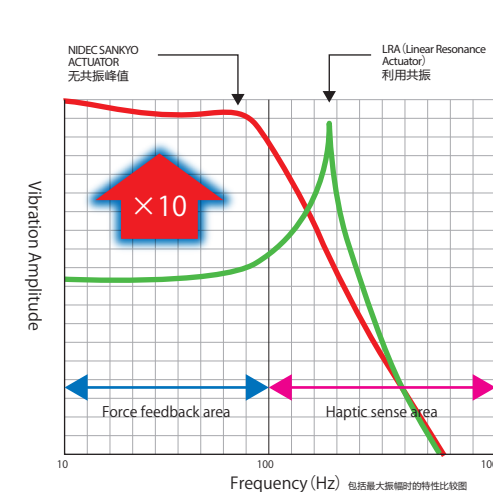
A wide range of product line up

丰富的产品阵容

NIDEC SANKYO CORP. - P41 NIDEC COPAL CORP. - P44

Nidec group can provide tactile for a wide range of devices used such as;
•Wearable, Smart phone and tablets, which requires "delicate sense"
•Touch panel for automotive
•VR/Game and others which require large feedback.

日本电产集团具有丰富的产品阵容，既可用于可穿戴设备，手机或平板电脑等具有细微感应的产品，也可满足车载触屏，VR/游戏等需要反馈较多的产品。



Name of Product 品名	Smart Phone / Wearable 智能手机/可穿戴设备										Game / Panel 游戏/面板			
	Sprinter A	Sprinter D	Sprinter X	Sprinter α	Sprinter β	Sprinter γ	Sprinter Z0825A	Sprinter Z	Sprinter Z1040	HPD	TDA112C07	TDA113C08	TDA111C12	SPEAR
Size 尺寸	2.5t x 6.0w 25.0L	3.0t x 7.0w 20.0L	2.6t x 6.0w 16.0L	3.0t x 11.3w 20.0L	3.1t x 7.4w 16.8L	3.8t x 8.0w 15.0L	φ 8.0 x H2.5	3.5t x 4.0w 12.0L	φ 10 x 4t	φ 8.0 x H2.5	6.4t x 14.6w 24.8L	10.3t x 16.1w 30.4L	12.8t x 23w 42L	15t x 15.0w 35L
Frequency (F0) 频率 (F0)	150Hz	180Hz	190Hz	175Hz	200Hz	150Hz	240Hz	230Hz	170Hz	235Hz	1Hz~1KHz (No resonance)	1Hz~1KHz (No resonance)	120Hz	150Hz
Amount of Vibration 振动量 (100g)	2.4Grms	2.4Grms	1.6Grms	5.0Grms	2.5Grms	2.5Grms	1.0Grms	1.4Grms	2.2Grms	1.2Grms	0.27Grms (100Hz)	0.9Grms (120Hz)	4Grms	10Grms



IT / Office Automation / Mobile Devices / Optical Components

信息技术、办公自动化、移动、光学设备

HDD Motors and Base Plates

硬盘驱动器用马达、底座

NIDEC CORP.~P39

While conventional HDD motors use ball bearings in the bearing unit, FDB motor uses fluid oil between the shaft and sleeve. While at rotation, the motor uses the pressure (dynamics) from the fluid to support the shaft. Compared to the ball bearing design, FDB motors offer better shock resistance and increased rotational accuracy due to smaller rotational fluctuation. This enables HDDs to carry higher capacity. In addition because there's no direct contact between the shaft and sleeve, FDB motors are quieter. The bearing unit can also be made increasingly smaller.

FDB (流体动压轴承) 利用旋转时, 轴和轴承间的间隙中注满的流体(油)产生的压力(动压)支撑轴的旋转。该结构不仅具有较高的耐冲击性, 且由于最小限度的控制了轴的振动, 提高了旋转的精度, 能够增加HDD的容量。另外由于轴和轴承不接触旋转, 也提高了静音性能以及轴承部分更趋小型化等优点。



Fans

风扇马达

NIDEC CORP.~P39 NIDEC COPAL ELECTRONICS CORP.~P42 NIDEC SERVO CORP.~P45 NIDEC COPAL CORP.~P44

Because of heat generation increase caused by data transaction volume expansion, Nidec Ultra Flo which can realize high airflow, high static pressure, high efficiency, low noise, and low vibration is used for a lot of applications in these fields.

随着数据量的增加, 通讯设备的发热量也在增大, 大风量、高静音、高静压、高效率、低噪音、低振动的标准风扇"Nidec UltraFlo"系列将在通讯基站以及其他更多领域得以使用。



Small BLDC Fans
小型无刷直流风扇

Micro Blower
微型鼓风机

Precision / Small Motors

精密小型马达

NIDEC CORP.~P39 NIDEC SERVO CORP.~P45 NIDEC LEROY-SOMER~P48

Small Brushless DC Motors 小型无刷直流马达



For Office Equipment
办公自动化设备用



For IT & Audio Visual Equipment
IT、AV设备用



Small BLDC Motors
小型无刷直流马达 (标准型)

Hybrid Stepping Motors & Drivers

混合步进电机

This unit have wide variety of motor size, drive system and step angle offerings.

本公司齐备各种尺寸、驱动方式、步进角度的系列电机。



Hybrid Stepping Motors & Drivers
混合步进电机

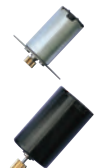
Coreless Motors

无芯马达

NIDEC COPAL CORP.~P44

This product is excellent in versatility and high-speed response. It is used in the surface mounting machine, the lens auto focus, the tape feeder, the bicycle transmission, etc.

可用于贴片机、自动焦距、自动送料机、自行车变速器等通用性优产品, 其特点为高速反应。



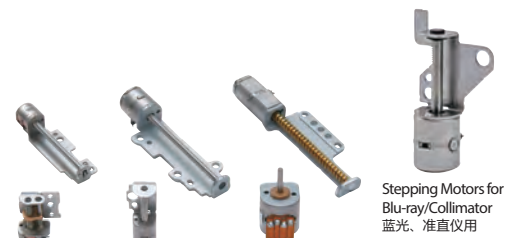
Stepping Motors

步进马达

NIDEC SANKYO CORP.~P41

ODD, Printers, Digital Cameras, Digital Video Camera Units, Mobile Phones and Peripheral Devices, DVD·BD Players/Recorders, Air Conditioners, Car Navigation, HUD, Valve-control

用于ODD、打印机、数码相机、数码摄像机、手机和周边设备、DVD·BD播放器/录音机、空调、汽车导航、HUD、节气门控制



Stepping Motors for
Blu-ray/Collimator
蓝光、准直仪用

Camera Component

摄像头用配件

NIDEC SANKYO CORP.~P41

NIDEC COPAL CORP.~P44

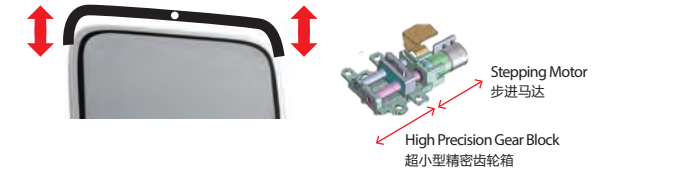


Micro Geared Stepping Motor Unit for Smart Phone Camera Pop-up Feature

超小精密齿轮电机单元, 用于智能手机摄像头升降系统

Cameras are built in the body instead of on the surface of the smartphone to fully utilize the display. The cameras come out only when they are used.

为了在智能手机的正面实现全屏显示, 摄像头从传统的显示面改为存储在智能手机内部, 仅在使用时弹出。



Stepping Motor
步进马达
High Precision Gear Block
超小型精密齿轮箱

Lens Units 镜筒模组

Camera modules for mobile equipment require extremely high precision and must be extremely compact and flat, highly accurate, durable, and low in power consumption. We have developed highly functional high-reliability products based on our optical, actuator, and super-high precision processing technologies.

微型、高精度、高耐久性、低能耗等, 移动设备用相机模组所要求的规格非常高。本公司融合光学技术、驱动技术及精密加工技术开发出高性能和高可靠性的产品。



Interchangeable Lenses for Cameras
相机专用交换镜头



Lens Units for Mobile Cameras and
Cameras for Personal Computers
移动设备用相机组件



Lens Barrel (Compact DSC)
镜筒单元 (小型)



Camera Lens for Mobile Equipment
手机用镜头

Machining Parts

精密加工配件

NIDEC COPAL CORP.~P44

With the precision processing technologies combined with cutting processing by machining centers and NC lathes and including assembly goods, we produce processed goods meeting customer needs.

凭借精密加工技术为基础的加工中心和数控车床等切削加工配套的设备, 可以根据客户要求制作组装机在内的加工产品。



Lens Unit Parts
相机用镜筒配件



Products of NC Type Automatic Lathe
NC自动机制作配件



Press-stamped Products
冲压加工配件



Protection Covers for Smart Phone
切削装饰外壳产品

Color Wheel Motors for DLP™ Projectors

DLP™ 投影仪用色轮马达

NIDEC CORP.~P44

BLDC motors are used for the DLP-type projectors to drive the color filter. To reduce the noise and the cost, in addition to the traditional 17S, 10S and 28S series are developed with highly reliable bearing.

DLP方式投影仪用的无刷直流马达, 可用于驱动彩色滤光片。因低噪音化和低成本化, 除了既有的17S, 还开发了具有高可靠性的轴承类型10S、28S系列。



10S Type
10S型

17S Type
17S型

17SDP Type
17SDP型

High-Precision Gears

高精度齿轮

NIDEC SANKYO CORP.~P41

Office Automation Equipment (Inkjet Printer Driving Gears, Laser Printer Driving Gears, etc) Automobiles (Driving System Parts for Inlet Pipes, Gears for Power Seat Drive, etc)

用于OA机器 (喷墨打印机用各种驱动齿轮、激光打印机用各种驱动齿轮等)、车载设备 (吸气类驱动部件、电动座椅驱动用齿轮等)



Polygon Laser Scanner

多面形激光扫描仪

NIDEC COPAL ELECTRONICS CORP.~P42



Low Speed High Precision Polygon Laser Scanner
低速高精度多面形激光扫描仪



High Speed Polygon Laser Scanner (Aerodynamic)
高速多面形激光扫描仪 (空气动力学型)



Home / Residential

住宅设备

For Kitchen

厨房设备

NIDEC SANKYO CORP. P41 NIDEC SERVO CORP. P45

Built-in Gas Stove

内置式燃气炉

Small type stepping motors having high durable technology are the most suitable for the fine adjustment of gas flow.

融入了本公司的高耐久技术的小型步进马达最适合于气体流量的微调。



Stepping Motor of Gas Valve for the Adjustment of Gas Flow
煤气调节阀用步进马达

IH Cooking Heater

IH炊煮加热器

Low noise blower contributes to the quiet living environment.

低噪音鼓风机，为舒适静音的居住空间环境做出了贡献。



Blower Motor for IH Coil Cooling
IH线圈冷却鼓风机

Range Hood

抽油烟机

By adopting AC/DC motor (EC motor), high motor efficiency is achieved.

采用EC电机，实现了节能省电的效果。



Sirocco Fan Motor
多翼片送风机马达

Hot Water Supply / Gas Heater

热水器/燃气热水器

NIDEC CORP. P39 NIDEC SANKYO CORP. P41 NIDEC SOLE MOTOR CORPORATION S.R.L. P47

Our valve control for water heaters are leading the competition due to its high functionality and the cost competitiveness, which results in the top position in the industry.

以高性能、低成本引领市场，作为热水器用阀门驱动的标准产品在业界处于领先的地位。



Flow / Switching Valve Drive Motors
流量转换阀驱动组件



DC Pumps (for Tank Circulation)
(水箱循环用) 直流泵



Combustion Air Blower Motor
燃烧用送风机马达



Gas Blower Motor
燃气热水器风扇马达

Bathroom Dryer / Bathroom Heater

浴室干燥机、浴室供暖干燥机

NIDEC SERVO CORP. P45

Our latest BLDC motors connect directly to the AC supply and are available with the same mountings and with 3 sizes of fan blades to allow interchangeability. It is classed with IP66.

本公司具有采用交流电源，驱动高效率的无刷直流马达以及防尘、防湿（IP66）特性的交流/直流（EC）风扇马达。



AC/DC Motors
EC电机

Sanitary / Water Supply Utilities

卫浴水流控制设备

NIDEC CORP. P39 NIDEC SANKYO CORP. P41

In the globally growing sanitary market, Nidec serves a variety of products for the high-functional sanitary products.

本公司拥有丰富的产品线，能满足全世界不断扩大的对于卫生产品的高性能化需求。



Auto Flush
全自动冲水阀



Valve Drive
流量阀驱动



Nozzle Drive Motors for Bidet
清洗喷嘴驱动组件



Auto Flush Actuator
自动水阀驱动组件



Lift Up Unit
马桶盖翻盖



Automatic Open / Close Actuator for Lid
马桶盖、马桶圈自动翻盖



Soft Close Units
缓降阻尼器



Soft Close Unit for Seat & Cover
马桶盖、马桶圈液压阻尼器



Circulation Pump
循环泵



Generator of Water Flow
自动水洗用发电组件



DC Blower Fan for Warm Water Bidet
温水坐便器清洗用直流风扇



Axial-Flow Fan for Ventilation
通风用轴流风扇

Living Room

客厅

NIDEC CORP. P39 NIDEC SANKYO CORP. P41 NIDEC SERVO CORP. P45 NIDEC MOTOR CORP. P47

Ceiling Fans

吊扇

We are developing the ceiling fan with the BLDC technology. Its benefit is low power consumption, miniaturization and improvement of speed control.

本公司开发的无刷DC型吊扇具有低价格、低功耗、小型化、速度控制佳等优点。



Window Ventilation Device

窗框用换气设备

Low noise blower contributes to the quiet living environment.

低噪音鼓风机，为舒适静音的居住空间环境做出了贡献。



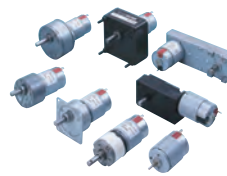
Ventilation Blower
换气鼓风机

Openable Window / Storm Shutter

窗户开关、防雨百叶窗

A combination of the motor and Gear Head, corresponding to various drive mechanism.

利用马达+齿轮头的组合，可以对应多样的驱动结构。



DC Motor for Drive Mechanism
驱动结构用的直流马达



Rivet Contacts for electrical power distribution equipment Switches (MALLOBOND)
配电开关复合铆接点



Electric Drive Curtain / Blinds

电动窗帘/遮光卷帘

A combination of the motor and Gear Head, corresponding to various drive mechanism.

利用马达+齿轮头的组合，可以对应多样的驱动结构。



AC Motor for Drive Mechanism
驱动结构用的交流马达



Pellet Stove / Bio-Mass

生物质颗粒壁炉



Pellet Stove/Bio-Mass Motors
生物质颗粒壁炉用马达

Accessible / Universal Design

无障碍设计与通用设计

NIDEC TECHNO MOTOR CORP. P40 NIDEC SERVO CORP. P45 NIDEC MOTORS & ACTUATORS P46 NIDEC MOTOR CORP. P47

Home Lift Products

家用电梯

With light and compact design, the machine and controller can easily fit small machine room, narrow hoistway and machine-room-less applications.

此类马达产品的设计轻便小巧，存放时能够节省空间。



VL Series
VL系列



VL-H Series
VL-H系列



Control Cabin
K-MC1000
操控箱K-MC1000

Stair Lifts, Lift Chairs

踏板升降机



Stair Lift Motors
踏板升降用马达



Stair Lift Motors
踏板升降用马达



Stair Lift Motors
踏板升降用马达

Automatic Door

自动门



DC Motor for Door Opening and Closing Drive
自动门开闭用直流马达



Automatic Door Motors
自动门用马达

Monitoring Camera

监视摄像头

NIDEC SERVO CORP. P45 NIDEC COPAL CORP. P44

With the full use of optical technology and precision drive mechanism, which was developed by the digital still camera, we will provide a high-precision, high-durability unit.

本公司利用数码相机领域的光学技术及精密驱动机构，为客户提供高精度、高耐久性组件。



Mechanism of Pan and Tilt
平移倾斜机制



Stepping Motor for Turning Drive
旋转用步进马达



Slip Ring for Electric Signal Transmission
视频信号传输用滑环



Lens Units
镜头组件



IRCF Switching Unit
IRCF切换组件



Geared motor (for camera Pan/Tilt)
减速电机（用于摄像机的平移和倾斜）

Others

其他

NIDEC COPAL ELECTRONICS CORP. P42

Residential Use Fuel Cell

家庭用燃料电池



Pressure Sensor
压力传感器



Micro Blower
微型鼓风机



Medical / Health Care

医疗保健

Power Assist Suit, Electric Wheel Chair and Personal Mobility

动力辅助服、电动轮椅、个人移动设备

NIDEC CORP.---P39 NIDEC SHIMPO CORP.---P40 NIDEC LEROY-SOMER---P48



Ultra-Flat Geared Actuator 超扁平执行器

It is integrated strain wave gearing with a built-in Nidec's miniaturized high output BLDC motor. It features compact, lightweight, high reduction and unparalleled flatness allows to apply for power assist suit and personal mobility.

小型、轻量、高减速、超高精度的日本电产新宝株式会社产谐波齿轮减速机(FLEXWAVE)内置日本电产株式会社产小型高输出无刷直流电机的集成产品，厚度仅40毫米，可谓前所未有，最适于动力辅助服、电动轮椅以及个人移动工具等。

Motor for Wheel Drive 轮毂驱动模组

High performance, high reliability and high productivity. It is a compact in-wheel motor that is optimized to the electric wheelchair application.

性能好、可靠性和生产效率，是最适于电动轮椅的小型轮毂电机。



Ultra-Flat Geared Actuator
超扁平执行器

MBT
DC Permanent Magnet Brushed Motor with Parallel Gear
带并联齿轮的直流永磁有刷电机

Motor for Massage Chair

按摩椅马达

NIDEC CORP.---P39

This motor is used for the purpose of generating tapping operation for massaging the body. With the silent brushless DC motor, the noise can be minimized, and the high massage effect is realized.

按摩椅马达用于启动按摩椅的敲打功能，从而使人体紧张的肌肉得到放松。通过使用无刷直流马达，其静音性能有效地将传统的有刷马达所产生的噪音降到了最低，且具备更好的按摩效果。



Brushless DC Motors
无刷直流马达

Hospital Beds

医用床

NIDEC SHIMPO CORP.---P40 NIDEC MOTORS & ACTUATORS---P46 NIDEC MOTOR CORP.---P47

We provide wide the range of DC motors used for medical applications. Examples; Small dual stage gear motors for bathtub lifts and stairlift seat adjustment (seat turn and backrest adjustment), Small gearless motors for linear actuators (hospital bed adjustment, operational table adjustment, dentist chair adjustment), Big worm gear motors for patient lifts and stairlifts.

本集团为医疗保健领域提供直流有刷马达及齿轮马达。应用实例包括使用多级齿轮或大型齿轮的护理升降机、阶梯升降机、座椅调节、病床及牙科椅用的促动器等。



Actuator Motors
促动器

Wheel Motors
车轮用马达

Reducer
减速机

Customised Human Machine Interface (Sealed IP67)

自定义操作面板 (IP67)

NIDEC MOTOR CORP.---P47

We design and manufacture creative and custom-engineered user interface technologies and advanced control panels for world-class OEM customers. From touchscreens to membrane switches to elastomeric keypads to fully-featured, turnkey HMI assemblies, We meet exact and state-of-the-art specifications for customers focused in the medical / healthcare, industrial / instrumentation and specialty electronics markets.

本集团所设计生产的定制界面得到了全球各大OEM制造商的认可与采纳。并且，针对客户的不同需求，本集团还将融合了触屏、膜片开关、弹性键盘等配件的人机界面(Human Machine Interface)推广至医疗保健领域以及工业检测领域。



Others

其他产品

NIDEC COPAL ELECTRONICS CORP.---P42 NIDEC COPAL CORP.---P44 NIDEC LEROY-SOMER---P48



Ultra Compact Geared Motors
for Medical Devices
医疗用微型减速机



Micro Blower for CPAP
CPAP用微型鼓风机



Skin Camera
测肤相机



Machined Products
for Medical Devices
医疗用切削部品



DP/DPR
(Single Phase Induction Motor)

Dialysis Devices

透析装置

NIDEC COPAL ELECTRONICS CORP.---P42 NIDEC SERVO CORP.---P45

We design the products with a basic concept of providing a quiet environment and reliability for dialysis patients. Our products with low noise and high reliability are widely accepted by many customers.

本公司始终以为客户提供安静的环境与放心的品质为本，不断研发出了低噪音、高可靠性、高品质的产品，深受广大客户的青睐。



Medical Stepping Motor,
Brushless Motor
医疗步进电机
无刷电机

Gear Motors
齿轮马达

Driver
驱动

Pressure Sensors
压力传感器

Joystick Encoder
操纵杆编码器



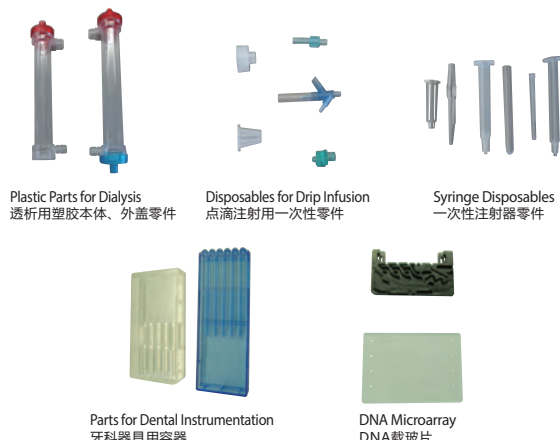
Plastic, Disposables

医疗用一次性零件

NIDEC SANKYO CORP.---P41

We provide a high quality product manufacturing and stable supply environment by a consistent production process including tooling design and fabrication, production, and packaging to meet customer satisfaction.

从模具设计、模具制造到成形、组装、包装一体化生产都是在无尘环境中进行，以高品质的产品和稳定的供应让顾客满意（已取得ISO13485认证）。



Plastic Parts for Dialysis
透析用塑胶本体、外盖零件

Disposables for Drip Infusion
点滴注射用一次性零件

Syringe Disposables
一次性注射器零件

Parts for Dental Instrumentation
牙科器具用容器

DNA Microarray
DNA载玻片



CT Scanner

CT扫描仪

NIDEC CORP.---P39 NIDEC SHIMPO CORP.---P40 NIDEC COPAL ELECTRONICS CORP.---P42 NIDEC LEROY-SOMER---P48



Cooling Fans
冷却用风扇



Reducer
减速机



Joystick Encoder
操纵杆编码器



Pressure Switch
压力开关



DYNABOX



SWIVEL

Pharmacy Automation

自动配药机

NIDEC CORP.---P39 NIDEC MOTOR CORP.---P47



Pill Counter
药剂计数用马达



Automation System
驱动马达



Automation System
驱动用齿轮马达

Infusion Pumps

输液机

NIDEC SANKYO CORP.---P41 NIDEC COPAL CORP.---P44



Stepping Motors for Flow Control
流量控制用步进马达



Stepping Motors
步进马达





Electronic Parts / Sensors

电子元器件、传感器

Potentiometers 电位器

NIDEC COPAL ELECTRONICS CORP--P42 NIDEC SERVO CORP--P45 NIDEC COPAL CORP--P44

Potentiometers 电位器

Our 3 types of contact potentiometers – winding resistor element, conductive plastic element and its noncontact potentiometer – are used for positioning and as angle sensors in a wide variety of applications.

产品线包括接触式的绕组型、导电塑料型以及非接触式。作为定位、角度传感器广泛运用在多个领域。



In the resistive element, we offer wire-wound, conductive plastic and non-contact types, while in the resistive shape we provide single-turn, multi-turn and straight line types. These have been adopted in measurement devices, telecommunications equipment and medical equipment as position and angle sensors.

阻抗体有绕组型、导电塑料型、非接触式。阻抗形状有单圈型、多圈型、直线型。作为位置、角度传感器使用在测量、通信、医疗设备等方面。

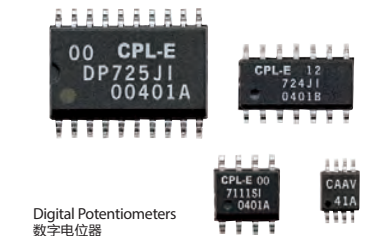


Digital Potentiometers 数字电位器

数字电位器

This is a low-cost product with memory. This memory can store one million rewrite settings.

带有内存的低成本产品，内存具有100万次设置改写保存功能。



Digital Potentiometers 数字电位器

Potentiometers 电位器

电位器

Angular detection using magnetic, optical and variable resistance techniques.

通过磁力、光、电阻变化检测角度。



Trimmer Potentiometers 微调电位器

微调电位器

With a reliable sealed structure, these are used in a wide range of industrial fields, including communications equipment, measurement devices, computer peripherals, broadcasting equipment, power devices and medical equipment. These products feature low noise contact structure and at the same time are easy to set or adjust.

具有密封构造，能广泛利用于通讯设备、测量设备、电脑周边设备、广播设备、电源设备、医疗设备等各种产业领域。从接点结构而言具有噪音小，同时易于设置和调整的特点。



Multi-turn SM Trimmer 多圈型SM微调电位器
Single-turn Cermet Trimmer 单圈型金属陶瓷微调电位器
Single-turn SM Trimmer 单圈型SM微调电位器

Switches 开关

开关

NIDEC COPAL ELECTRONICS CORP--P42

These products are used for program settings, circuit configuration and circuit switching, such as in information systems, communications equipment, control equipment and measurement devices.

可用于信息设备、通信设备、控制设备、测量设备的程序设置、电路设置、电路切换等。



Dip Switch DIP开关
Detection Switch 限位开关
Rotary Coded Switch 旋转编码开关
Toggle Switch 摇头开关
Lever & Rocker Switch 拨杆&翘板开关
Pushbutton Switch 按键开关
Slide Switch 滑动开关
Panel Seal Rocker Switches 面板防水翘板开关

Attenuators 衰减器

衰减器

NIDEC COPAL ELECTRONICS CORP--P42

The T2114 is a step-variable type used in the level adjustment of 600Ω audio signal systems, such as in telecommunications equipment.

T2114用于通信设备600Ω系的音频信号的调整。E-TA用于高频功率放大器等的温度补偿。



Variable Attenuator 可变衰减器

Circuit Protection Components 电路保护部品

电路保护部品

NIDEC COPAL ELECTRONICS CORP--P42

The PRCP is a self-resettable-type overcurrent protection component used in polymer PTC thermistors. By removing the cause of the overcurrent, this is a product that can be used repeatedly. The C-FAP is a semiconductor overcurrent protection component with a fast response and self-recovery to surge currents and overcurrent.

PRCP是使用聚合物PTC热敏电阻的可复位电流保护元件，通过消除产生过电流的原因，是可以重复使用的产品。C-FAP能对浪涌电流和过电流作出快速反应，是可自复位的半导体过电流保护元件。



Circuit Breaker 断路器
Fast Acting Protector 快速反应保护器

Encoder Sensors 编码传感器

编码传感器

NIDEC SANKYO CORP--P41 NIDEC COPAL ELECTRONICS CORP--P42 NIDEC COPAL CORP--P44

Rotary Encoders 旋转编码器

These are products that have taken advantage of our unique optical technology and production technology. The optical sensor is a compact φ12mm and is used in banking terminals and so on. The settings optical sensor has a 16mm-square-shaped body and is widely used in medical equipment and communications devices.

是运用独特的光学技术和生产技术的产物。光学式传感器用的为φ12mm属于小型，应用在金融终端等产品。光学式设定用的为16mm角，广泛应用在医疗设备、通信等设备。



Joystick Encoder 操纵杆编码器
Settings Optical Rotary Encoder 设定用光学式旋转编码器

Pressure Sensors 压力传感器

压力传感器

NIDEC COPAL ELECTRONICS CORP--P42

Our product lineup features pressure transducers, pressure transducers with amps, pressure switches, pressure display devices, pressure indicators and more. Furthermore, our products can measure wide pressure ranges, such as vacuum pressure, gauge pressure (1kPa – 35MPa) and differential pressure. The pressure mediums of gas, fluids, corrosive gases and others are compatible.

产品包括压力传感器、内置放大器压力传感器、压力开关、压力显示器、压力指示器等系列。另外还可测量真空压与表压（1kPa ~35MPa）、压差等任何压力范围，使用的介质也能对应于气体、液体、腐蚀性气体等。



Pressure Transducer 压力传感器
Pressure Transducer with Amp 内置放大器压力传感器
Pressure Switch 压力开关
Pressure Gauge 压力表
Handy Manometer 手持式压力计

Others 其他

其他

NIDEC SANKYO CORP--P41 NIDEC SERVO CORP--P45

Image Scanner Units 图像扫描仪组件

图像扫描仪组件

It can be customized in accordance with applications such as reading of characters printed on checks and special characters for forgery prevention and reading of various types of ID cards such as passports and driver's licenses.

可用于阅读支票上所载文字和防止伪造用特殊文字，读取护照和驾照等各种ID卡等，并根据客户要求定制。



Passport Readers / Various Image Readers 护照读卡器/各种图像读卡器用

Encoders 编码器

编码器

Our 3 types of encoders – optical, magnetic, and laser – meet customers' diverse requirements with a product range from compact low-torque types to ultra-high-resolution high-grade types.

有光学式、磁气式、激光式3个种类。从小型的低扭矩到超高分辨率的高性能型，能满足客户不同的需求。



Encoder Motors 带编码器马达

带编码器马达

Encoder motors with combined sensors and motors detect the position, number of revolutions, and control speed. Our encoder motors are key components for controlling the movement of industrial robots, processing units, and automation systems.

传感器与马达为一体的带编码器马达主要通过检测位置和转速来控制速度，是工业用机器人、机床、各种自动化机器设备控制的关键部件。



Industrial Encoders 工业用编码器

工业用编码器

Magnetic type and used to produce AMR in house. With fine magnetized technology, Our magnetic encoder is achieved to an accuracy or an environment resistance as much as the optical type.

采用AMR的磁气编码器。结合精细的磁气技术，达到既有磁气式耐环境性能同时又具有光学式的精度。



Rotary Encoder 旋转编码器
Linear Encoder 直线性编码器

Fluid Leak Sensors 漏液传感器

漏液传感器

NIDEC COPAL ELECTRONICS CORP--P42

This product is used for the fluid leak detection in semiconductor manufacturing equipment. This eliminates the use of gobos and achieves highly sensitive detection.

可用于半导体制造设备的液体泄漏检测。无需遮光板使得检测灵敏度得以提高。



Fluid Leak Sensor 漏液传感器

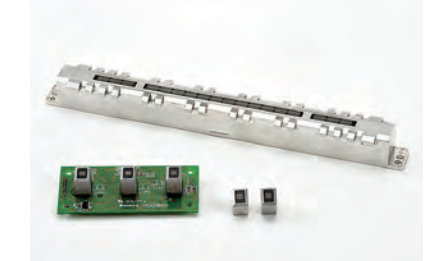
Magnetic Quantity Sensors 磁量传感器

磁量传感器

NIDEC SANKYO CORP--P41

Product for bill validator. Enable to detect a material of magnetic ink by our development of the flux gate technology.

纸币鉴别用磁传感器。通过磁通门传感器技术，可以获取在磁性墨水含有的磁性体的材质信息。



Readout of Magnetic Ink, Authentication, Identification 读取磁性墨水、真伪鉴别、识别用

Slip Rings 滑环（集流环）

滑环（集流环）

Our slip ring offers the high transfer rate signal (1.5 Gbps max) with high reliable life (80M rotations max).

具备高速信号传输（最大1.5Gbps),以及长寿命（最大8000万次转动）的产品。





Commercial

商用

Golf & Electric Forklift

高尔夫球车、电动叉车

NIDEC MOTOR CORP.---P47

We design and manufacture low voltage (typically 36 - 72V) AC and DC traction motors for battery operated golf and electric forklift ranging from 3kW to 8kW. We have developed complete drive systems including AC and DC traction controllers, battery chargers and transaxle and transmission products that serve the Golf, Utility and rapidly growing Low Speed Electric Vehicle markets in US, Europe and Asia. We also supply a complete line of starter-generator motors used for internal combustion engine vehicles in this same market.

本公司设计和制造用于电池驱动高尔夫球车和电动叉车（3kW至8kW）的低压（LV，36V-72V）交流及直流牵引电机，本公司在美国、欧洲和亚洲等快速增长的高尔夫球车和多功能车市场提供交流和直流牵引电机控制、电池充电器、驱动桥、变速器等全套驱动解决方案和产品，另外还向引擎驱动推车提供起动发电机用电机。

Fleet golf car

高尔夫球车



Traction Motors
牵引电机



Transaxle
驱动桥



Traction Control
驱动器控制装置



Electric Forklift

电动叉车



Motors
升降机/泵用电机



AC Motor Advanced
交流电机



LVAC Traction Motors
LVAC牵引电机



Traction Control
驱动器控制装置



Electric Vehicles

电动商用车

NIDEC MOTOR CORP.---P47

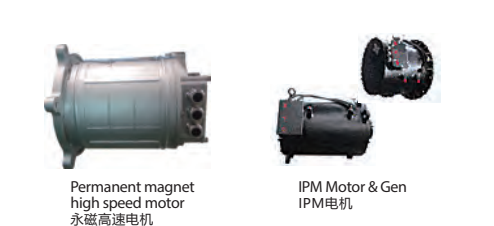
NIDEC LEROY-SOMER---P48

We design and manufacture PM motor, SR motor and controller for commercial vehicles ranging from 20kW to 200kW.

本公司设计和生产20千瓦到200千瓦电动车永磁同步电机/开关磁阻电机和电控广泛应用于新能源商用车。

Hybrid Bus and Pure Electric Bus

混合动力客车



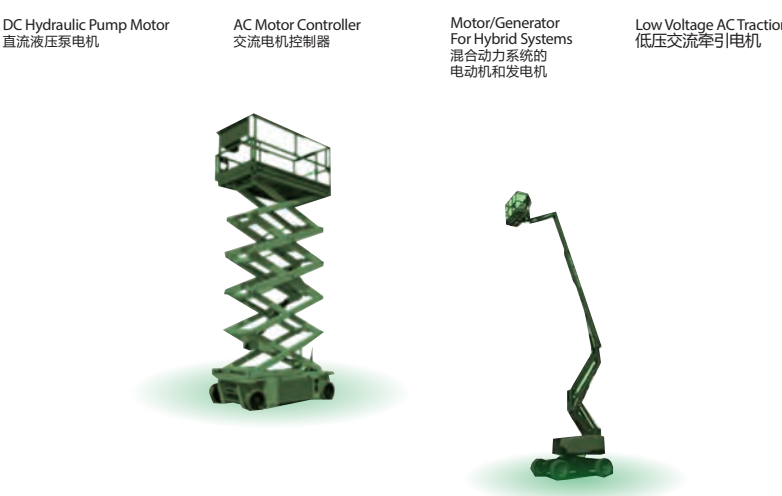
Aerial Working Platform

高空作业平台

NIDEC MOTOR CORP.---P47

We are the market leader in the design and manufacture of a wide range of pump, traction and generator motor solutions for scissor lifts, boom lifts and telehandlers. Our capabilities include DC and low voltage AC pump motors from 750W up to 26kW; DC, low voltage AC and brushless permanent magnet traction motors from 400W up to 6kW along with motor/generators systems for hybrid electric lifts. With the addition of controllers and charging capabilities, we can provide a full suite of system solutions to the AWP market.

我们设计和制造不同功率的泵电机，牵引电机及发电机，主要应用在剪式、臂式高空作业平台及伸缩臂叉装载设备上，产品涵盖750W 到 26Kw直流交流泵电机，400W到6Kw DC，AC，BPM驱动电机，及发电机混动系统方案，同时我们也具备开发控制器和充电机的能力，为客户提供完整的系统解决方案。



HVAC

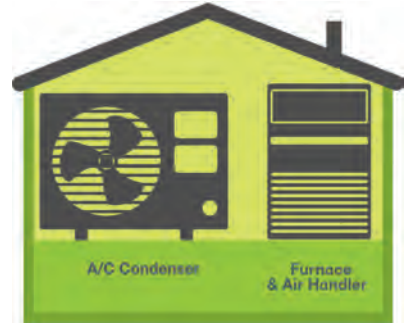
HVAC（商用空调）

NIDEC MOTOR CORP.---P47

NIDEC LEROY-SOMER---P48

Nidec offers the Heating, Ventilation, and Air Conditioning market segments a comprehensive product portfolio consisting of both Electronically Commutated motors 1/8Hp up to 10Hp, and Induction motors 1/50Hp up to 10hp. To support our customers Nidec offers multiple manufacturing locations providing manufacturing redundancy of many products as well as flexibility to manage regional costs.

本公司针对HVAC（供暖、通风/循环、空调）市场提供1/8HP-10HP ECM (Electronically Commutated Motor) 和 1/50HP-10HP感应电机。通过在多个生产基地生产可以灵活实现当地生产当地销售及回避生产过度集中的风险。



Others

其他



Draft Inducer

Pumps

泵

NIDEC MOTOR CORP.---P47

Our pump motors offer a broad range of high efficiency, dependable motor solutions. The benefits include leading technology in robust induction motors, Brushless Motor Technology (BPM) and integrated, intelligent electronic drives that are designed to be easy to use when combined with a pump. The combination creates a superior pump system that delivers high efficiency, seamless functionality and integration.

本公司提供各种高效可靠的泵/马达解决方案。通过将坚实的感应电机、无刷电机及电路内置型无刷电机与泵相组合，提供高效、无缝对接且有机整合的产品。



Floor Care

地板护理设备

NIDEC MOTOR CORP.---P47

NIDEC LEROY-SOMER---P48



Drive Unit for Floorcare

地板护理驱动组件





Commercial

商用

Elevator Package Solutions

电梯设备

NIDEC MOTOR CORP—P47 NIDEC LEROY-SOMER—P48

Elevators & Escalators Solutions

We provide a single source for elevator & escalator solutions – designing and manufacturing the industry's most sophisticated elevator controls and gearless machines for modernization and new construction projects. Powered by our home-made controls and machines, we offer one of the safest, most reliable and highest performance horizontal & vertical transportation solutions in the industry, which meet a wide range of applications: machine room-less (MRL) elevators, machine-room elevators, hydraulic elevators and special elevators for vehicle lifts, escalators & moving walks, etc.

一站式电梯及扶梯解决方案

无论是改造梯（油压电梯自动化改造）还是新梯，本公司均可为客户提供基于业界最先进的电梯控制技术和无齿轮马达设计、制造的一站式电梯解决方案，使客户拥有行业内最安全可靠以及高性能的电梯产品，产品线覆盖了无机房电梯、有机房电梯、油压电梯、汽车梯·医用电梯等特殊电梯、扶梯、自动人行道等各种产品满足客户需求。

Elevator Controls

电梯控制



K-MC1000
K-MC1000



K-MC6000
K-MC6000

Elevator Machines and Motors

电梯用电机



Modernization Package
改造方案



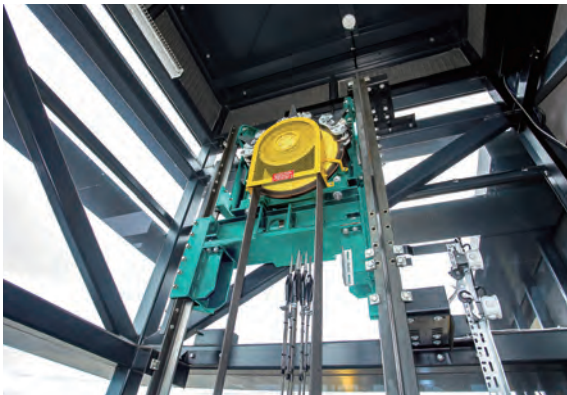
High Speed Machine
高速设备



E27 Elevator Motor
E27电梯用电机



ACPM Gearless Machine
ACPM无齿轮装置



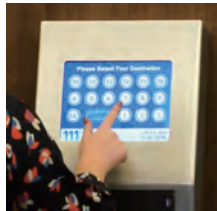
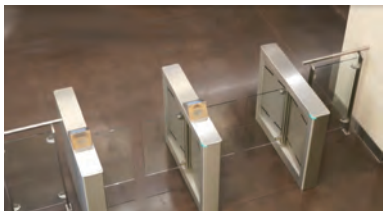
MRL Elevator

Destination Based Dispatching (DBD) System

电梯目的地预报系统

Destination Based Dispatching System-Group Control Dispatching System that assigned passengers to one of the car that can bring the passenger to destination floor within a shortest period of time. It dispatches the passengers into different groups and prevents traffic congestion.

DBD (Destination-Based-Dispatch) 是一种先进的技术，通过指定使用电梯的人数和楼层数来减少停靠楼层的数量，从而缩短乘电梯所需的时间。



Nidec Test Facility
日本电产电梯测试设备



Commercial Refrigeration

商用制冷设备

NIDEC SERVO CORP—P45 NIDEC MOTOR CORP—P47 NIDEC GLOBAL APPLIANCE COMPRESSORS—P49

Compressors for commercial segment

Compressors for professional kitchens, medical applications, food retail and merchandisers equipment that provide stability, reliability, energy efficiency and are ready for natural refrigerants utilization.

商用压缩机

这些压缩机具有稳定，可靠和节能的特点，可适用于天然制冷剂的商用制冷设备，如专业厨房冰箱、食品零售和食品展示设备。

With rapid growing global energy regulation, showcases and commercial refrigerators require high efficiency motors. Our latest BLDC motors connect directly to the AC supply, and are available with the same mountings and with 3 sizes of fan blades to allow interchangeability.

在世界范围内的节能减排背景下，超市、便利店等内的冷藏展示柜的驱动来源是，以交流电源供电的、高效率无刷直流电机；而搅拌冷气的鼓风机，是利用了具备防尘、防湿（IP66）特性的交流/直流（EC）电机驱动的。



Compressor FMFT
FMFT变频压缩机



Compressor NJX
NJX压缩机



Outdoor Commercial
Condenser Fan



Condenser / Evaporator



PM Generator for Refrigeration Trailer
冷冻拖车发电机



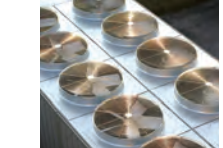
AC/DC Motor
(EC Motor)
交流 / 直流电机



EC Motor
EC电机



EC Motor
EC电机



Commercial Condensing Unit

商用冷凝机组

NIDEC GLOBAL APPLIANCE COMPRESSORS—P49

Refrigeration systems for food retail and food service

Full range of condensing and sealed units for the food retail and food service segments. The portfolio is used in self-contained systems with a competitive total cost of ownership, providing easy maintenance and reducing time for installation. Available with natural refrigerant attending the new regulations and with transitory refrigerant options.

食品零售和食品服务用制冷系统

适用于食品零售和食品服务的全系列冷凝和密封机组。该产品组合用于具有成本优势的自携式系统，安装快速，维护便捷。可适用于符合新法规的天然制冷剂 and 过渡期制冷剂。



Condensing Unit
冷凝机组



Plug n' Cool
即插式机组



BIOMA

Food & Commercial Equipment

商用厨房设备

NIDEC MOTOR CORP—P47

Nidec is the market leader in designing and manufacturing custom motors, gear motors and pumps for Commercial Food Equipment. Our world wide sales network in Europe, America, and Asia covers the following market segment:

- Pumps and AC Motors for Commercial Dishwashers
- AC Motors for Commercial Convection and Combi Ovens
- AC Motors for Commercial Slicers
- AC Gear Motors and Pumps for Ice Makers

本公司设计和制造用于商用厨房设备市场的电机、带齿轮的电机和泵，并在欧洲，美洲和亚洲对以下产品展开全球性营销。

- 用于商用洗碗机的交流电机和泵
- 用于商用烤箱的交流电机
- 用于切片机、咖啡研磨机、制冰机的交流电机

Commercial Dishwashers

商用洗碗机



Integrated Motors & Pump Solutions
电机/泵



Integrated Motors & Pump Solutions
电机/泵



Integrated Motors & Pump Solutions
电机/泵



Integrated Motors & Pump Solutions
电机/泵



Integrated Motors & Pump Solutions
电机/泵



Integrated Motors & Pump Solutions
电机/泵



Integrated Motors & Pump Solutions
电机/泵



Integrated Motors & Pump Solutions
电机/泵



Integrated Motors & Pump Solutions
电机/泵

Commercial Ovens

商用烤箱



"2712" Motor-0.75 HP
2712电机 (0.75HP)



Ultra Flat Motors
超薄平电机



US Style-0.5HP
美国规格 (0.5HP)



European Style Oven Motor
欧洲规格



Food / Meat Slicers

食品切片机



Slicer Motors
切片机电机



Slicer Motors
切片机电机



Slicer Motors
切片机电机



Slicer Motors
切片机电机

Coffee Grinders and Ice Makers

咖啡机和制冰机



Coffee Grinder Motor
咖啡磨电机



Ice Crusher Motor
制冰机电机



Ice Crusher Motor
制冰机电机



Commercial

商用

ATM•CD•Payment KIOSKS / Ticketing Machines / Retail Terminals

金融类终端 · 交通类终端 · 流通类终端

NIDEC CORP. P39 NIDEC SANKYO CORP. P41 NIDEC TECHNO MOTOR CORP. P40 NIDEC SERVO CORP. P45 NIDEC LEROY-SOMER P48

With our highly reliable and secure products for ATM / Cash Dispenser, which our products are originally designed for, Nidec expands business to other market segments, such as Public Transportation, Retail, Medical and Amusement.

本公司充分发挥在ATM/CD等金融终端培育的高可靠性和安全性，将读卡器/发卡机的应用扩展到运输、流通、医疗、娱乐等领域。

HB Stepping Motors

混合步进马达



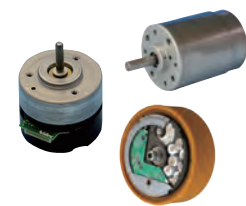
Brushed DC Motors

带刷直流电机



BLDC Motors

无刷直流马达



Card Dispensers

卡片发行机



Card Dispensing Machines
(Card Encoder with Hopper)
各种发卡机/自助终端设备

Manual Card Readers

手动式读卡器



ATMs / CDs / KIOSK Terminals /
POS Terminals / Building Entry Management
Systems / Other ID Terminals
ATM/CD/查询终端/POS终端/出入管理系统/
各种ID卡终端用

Motorized Card Readers / Reader-Writers

电机式读卡器



ATMs / CDs / KIOSK Terminals / Payment Systems /
Retail POS Terminals / Building Entry Management
Terminals / Other ID Terminals
ATM/CD/查询终端/金融终端/流通、POS终端/
出入管理系统/各种ID卡终端用

DC Servo Motors

(Brushed DC Motors)

直流伺服电机 (有刷直流电机)



For Printers / Plotters / ATMs /
Money Processing Machines / Card Readers
打印机/印刷机/ATM/货币处理机/读卡器用



Laser Markers

激光打标机

NIDEC COPAL CORP. P44

Nidec is developing a laser marker with features including high quality marking, high-speed marking compactness, low power consumption and high customizability with combining image processing, thermal control, media transport and the laser technologies.

本公司通过将图像处理、热控制、媒体传输技术与激光技术相结合，为客户提供高精度刻印、高速处理、小型、低耗电、定制化产品。

Laser Marker for ID Card

ID卡用激光打标机



Amusement

娱乐设备

NIDEC COPAL ELECTRONICS CORP. P42 NIDEC COPAL CORP. P44

Starting with standard stepping motors used in various fields, including amusement devices, medical care analysis equipment and industrial machines, we are also offering a great number of actuators with linear motion, heavy-duty deceleration gears, axis rotation detection sensors and auxiliary functions.

本公司不仅拥有用于娱乐设备、医疗分析仪和工业设备等各种领域的标准步进电机，还拥有线性直线前进驱动器，具有高耐久性减速齿轮和高转速检测传感等附加功能的产品。

Stepping Motors

步进马达



Geared Stepping Motors
齿轮步进马达



Linear Stepping Actuator
直线性步进驱动器



Linear Stepping Actuator
直线性步进驱动器

Actuators

驱动器



Industrial

工业

Generators

发电机

NIDEC LEROY-SOMER P48

Nidec Electric Power Generation is the global leader in alternators ranging from 10 kW to 25MW. Our brands, Kato Engineering and Leroy-Somer provide alternators for generator set manufacturers and power producers worldwide in markets such as Oil and Gas, Data Centers, commercial backup, continuous power production and much more.

Nidec是10kW至25 MW交流发电机领域的全球领导者。我们的品牌Kato Engineering和Leroy-Somer在天然气、数据中心、商业备用和连续发电市场中，为世界各地的发电机制造商和发电机提供交流发电机。



Industrial Alternators
TAL Range
10 – 1000 kW



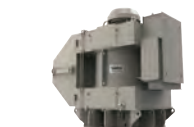
Industrial Alternators
LSA Range
10 – 4000 kW



Air-Cooled Generators
350 – 25 MW



Water-Cooled Generators
350 – 25 MW



Hydro Generators
100 kW – 20 MW



Nuclear Emergency
Generators
250 kW – 15MW



Gas & Steam Turbines
Generators
1 – 25 MW



Wind Turbine Generators
1 – 10 MW



Ground Power Units
Generators
10 – 300 kW



Rail & Off-Highway Traction
Generators
1.8 – 4 MW



Mobile Telecom
Generators
4.7 – 21 kW



PTO Generators
15 – 60 kW



LSAH
CHP generators
10 – 75 kW



Regulation Electronics
10 kW – 30 MW



Predictive
Maintenance Solution

Industrial Motors & Drives

工业电机、驱动器

NIDEC ASTI S.p.A. P48

Nidec offers a wide range of solutions and services in the supply of industrial systems and automation including power electronics, electric motors and generators in Metals, Energy, Oil & Gas, Marine and General Industrial applications.

本公司为工业系统（包括工厂）、重型电力设备、炼钢、能源、石油和天然气、海洋、以及一般工业提供各种解决方案和服务。



Explosion Proof Motors
防爆电机



MV NEMA & IEC Motors
MV NEMA和IEC电机



Generators
发电机



Encoders
编码器



AG Panel
AG面板



LV Drives & Drive Panels - DC
低压驱动器和驱动器面板（直流）



LV Drives & Drive Panels - AC
低压驱动器和驱动器面板（交流）



MV Drives - Silcovert TH
MV驱动器（Silcovert TH）



Batter Energy Storage
System (BESS)
蓄电系统



MV Drives - Silcovert GN
MV驱动器（Silcovert GN）



MV Drives - Silcovert S
中压逆变器



Power Supply
电源



Power Quality
电力品质



Automation
自动化

Electrical Pitch Systems, Drives and PLC for Wind Turbines

风力发电机的电动变桨系统/驱动/PLC

High performance customized pitch systems as well as standard systems within safety certification for all sizes of wind turbine and tidal turbine.

符合各种尺寸的风力涡轮机和潮汐涡轮机安全认证的高性能定制变桨系统和标准系统。



Perfect Pitch
Drive Converter – PPD40 / PPD65
Range of 28kVA - 135kVA



Perfect Pitch
Interface + PLC – PPI-PLC

SSB BladeVision

BladeVision is a full measurement system which provides a complete wind-field description over the swept area of the wind turbine blades.

BladeVision是风力涡轮机叶片接收区域上完整的风场测量系统。



Optical Camera
of the BladeVision
System



SSB
Battery Pack -
Universal &
Reusable



Industrial

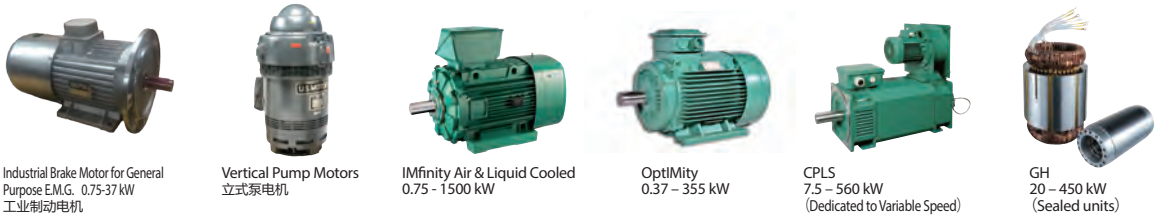
工业

Energy Efficiency Motors

节能、高效电机
NIDEC TECHNO MOTOR CORP.~P40 NIDEC MOTOR CORP.~P47 NIDEC LEROY-SOMER~P48

Induction Motor

感应电机



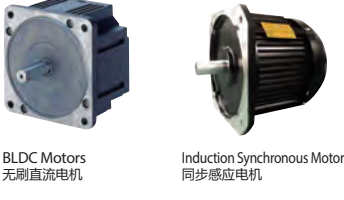
Motor with Integrated Drive

机电一体型驱动电机



Permanent Magnet

永磁电机



Magnet Assisted Reluctance Motors

永磁辅助磁阻电机



Brake Motors

制动电机
NIDEC TECHNO MOTOR CORP.~P40 NIDEC LEROY-SOMER~P48



Geared Motors

减速电机
NIDEC LEROY-SOMER~P48



Servo Motors

伺服电机
NIDEC SANKYO CORP.~P41 NIDEC TECHNO MOTOR CORP.~P40 NIDEC MOTOR CORP.~P47 NIDEC LEROY-SOMER~P48



Special Purpose Motors

特殊电机
NIDEC MOTOR CORP.~P47 NIDEC LEROY-SOMER~P48



Safety Proof Motors

防爆电机
NIDEC TECHNO MOTOR CORP.~P40 NIDEC LEROY-SOMER~P48

Drives

驱动电路
NIDEC MOTOR CORP.~P47 NIDEC LEROY-SOMER~P48 NIDEC CONTROL TECHNIQUES LTD~P49



Motors for Railway Facilities

铁路设施用马达
NIDEC TECHNO MOTOR CORP.~P40 NIDEC LEROY-SOMER~P48

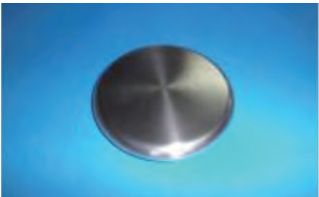


Others

其他
NIDEC SANKYO CORP.~P41

Electronic Contacts

电气接点
Sintered Contacts (ELKONITE) for Gas Circuit Breaker and Vacuum Circuit Breaker
电力用气体断路器，真空断路器用接点





IoT Products (Internet of Things Products)

物联网产品



"Smarctory" is an IoT solution which Nidec promotes for the factory innovation.
"Smarctory" 是日本电产集团推出的工厂物联网品牌。

The World where everything is connected via Internet

所有“事物”通过互联网组成了“互联世界”

Nidec's Smarctory

Germany's Industry 4.0 focuses on the manufacturing industry, in automating the process of making things by connecting industrial equipment, in using collected data towards increasing productivity through yield improvement, and in deepening collaboration between companies participating in the supply chain. Nidec, as a professional in production, is working towards IoT production equipment, offering a variety of solutions for the IoT era.

日本电产集团的“Smarctory”计划由德国率先提出的“工业4.0”战略正聚焦于制造业，该战略将通过工业设备之间的相互配合实现自动化生产，运用收集到的数据改善成品率，从而提高生产效率，甚至还将加强处于供应链上的企业间合作。日本电产集团作为制造领域的行家，将尽快实现生产的物联网化，除所需生产设备以外，还将为客户提供迈向物联网时代的各种解决方案。



IoT Gateway (IoT GW)

物联网网关 (IoT GW)

NIDEK CORP.™P39



Basic Version
基础版

- LAN, USB
- LAN/USB signal collection from machinery
- Edge computing software
- Using the USB port, WLAN dongle, 3G dongle are available.



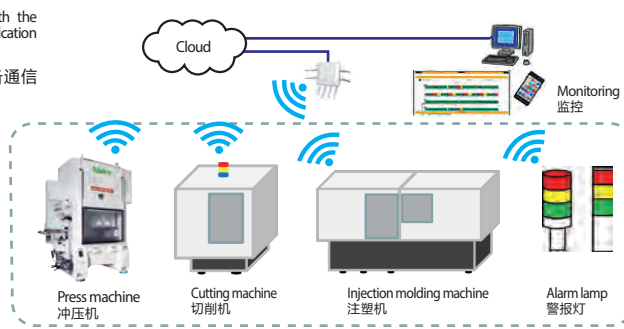
Extended Version
扩充版

- LAN, USB, RS232C, iC, A/D, D-Port
- Various signal collections from machinery
- Edge computing software
- Using the USB port, WLAN dongle, 3G dongle are available.

IoT GW enables the communication with the devices that don't have any communication functions.

安装物联网网关后，可以与不具备通信功能的设备进行通信。

IoT GW



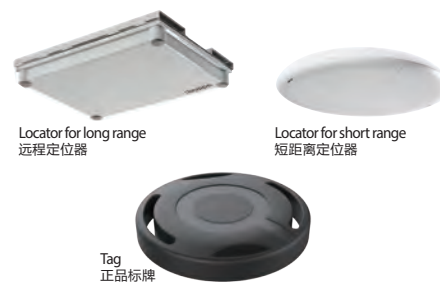
IPS (Indoor Positioning System) 位置信息系统

NIDEK CORP.™P39

Nidec is developing a business of Indoor Positioning System (IPS) with Quuppa in Finland. Quuppa's system detects the angle of arrival of radio waves, and calculates with advanced signal processing so as to obtain the position of the BLE (Bluetooth Low Energy) device in the format of "coordinate data", on real-time basis with high accuracy. BLE device has been rapidly spreading at good cost, and Quuppa system visualize the location and movement of people/things both for indoors and outdoors, enabling various types of analysis that contributes to improvement of work efficiency and security.

Nidec与芬兰公司Quuppa合作推进室内定位系统 (IPS) 业务。

通过检测迅速普及的BLE (蓝牙低功耗) 设备的无线电波的方向，对高级信号处理并实时提供BLE设备的位置作为高精度“坐标数据”，“可视化”室内/室外人员和事物的位置 and 移动，从而进行有助于运营效率和安全性各种分析。



Vision Sensors (VS Series)

视觉传感器 (VS系列)

NIDEK MACHINERY CORP.™P44

An image sensor targeting versatility and cost reduction. It achieves high cost performance and accommodates a wide range of applications.

追求通用性以及降低成本的图像感应器。实现高性价比，且适用用途广泛。



- Visual inspection 外观检查
- Position detection 位置检出
- Dimensional inspection 尺寸测量
- Recognition inspection 识别检查
- Missing destination 有无判定
- Positioning 确定位置
- Light and shade inspection 亮度检查



Controller 控制器
Camera, Lens 摄像头、镜头
Cable 摄像头接线

Application Examples
应用程序事例

Modular Automation Line

模块化自动生产线

NIDEK MACHINERY CORP.™P44

Labor-saving, productivity and quality improvement with modularization of the assembly and inspection. It is possible to build the optimal line layout according to the application and purpose.

通过组立·检查的模式化实现了省人力化，提高了生产性·品质。结合用途·目的构造最好的产线布局。



Other Products

其他产品

Music Boxes 八音盒

NIDEK SANKYO CORP.™P41

More than 10,000 different musics are available for gifts. 拥有1万首以上的乐曲库，八音盒最适合做为纪念品和礼品。

Cylinder Musical Movements

音筒式八音盒

Cylinder with pins according to music rotate by spring power and it flicks comb (vibration plate) with each sound. Its mechanism create the melody. Sliding cylinder system makes it play longer for several plays.

根据乐曲内容，拨片扫过通过发条旋转的圆筒上的凸点，拨动一根根拥有音阶的振动板，演奏出旋律。音筒横向移动可以延长演奏时间，增加演奏曲目。



Disc Musical Movements

磁盘式八音盒

Starwheel with projection and hole is rotated and flick the comb to play the melody. Everybody can enjoy the various musics by changing the disc same as the records.

让设计有突起和孔的星盘旋转、弹拨振动板演奏旋律。像CD一样只需切换碟片即可以欣赏不同的音乐。



Nidec Sankyo Corporation Music Box Museum Suwanone.

Nidec Sankyo, is the only integrated manufacturer of music boxes in Japan, renovated the Lake Suwa Music Box Museum Somei-kan and re-opened on March, 2016 as Music Box Museum Suwanone.

日本电产三协八音盒纪念馆 采访的清音
日本国内唯一的八音盒一体化制造厂商日本电产三协，于2016年3月重新开放了旧諏访湖八音盒博物馆“奏鸣馆”。



Ceramic Art Equipment 陶艺设备

NIDEK SHIMPO CORP.™P40

NIDEK brand of Potter's Wheels have the world's No.1 market share. NIDEK-SHIMPO also manufactures Kilns and Pug Mills for the Ceramics market. We have wide-range products as a world leader of the manufacturer for the Ceramic's market.

尼得科品牌的电动制陶机在日本国内外的市场占有率均居领先地位，此外，作为综合性陶艺设备制造商，我们还开发包括制陶电窑及练泥机在内的品种丰富的产品。



Services 服务

NIDEK GLOBAL SERVICE CORP.™P45

Hotel Service

酒店业务

We have "Green Sun Hotel" in Shimosuwa, Japan and "Green Sun Hotel" in Pinghu, China.

我们在信州下諏访有“GreenSun Hotel”，并在中国浙江省平湖市有“绿阳大饭店”。



Green Sun Hotel,
Shimosuwa, Japan
绿阳大饭店
信州下諏访温泉



Green Sun Hotel, Pinghu, China
绿阳大饭店

LED Business

LED业务

By proposing the introduction of LED lighting, we will realize energy saving and reduction of environmental impact.

通过引入LED照明，可以实现节能和减少对环境的影响。



For General Lighting
一般照明



For Large-Scale Facilities Lighting
大型设施照明



Processing / Inspection Equipment (Electrical)

工艺设备/检查设备 (电气系统)

Printed Circuit Board / Continuity Inspection System

电路板通电信检测装置

NIDEC-READ CORP.---P42

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.

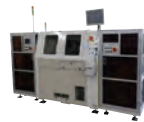
本公司提供可对母板等各种电路板进行导通和短路绝缘 (OPEN/LEAK) 测试的多种检测装置。并可根据检测对象的种类、大小和检测点数进行灵活应对。



STAR REC M6 II SW
对应HDI多片电路板
STAR REC M6 II SW



NRFEIS-3045A/5060
对应FPC多片电路板
NRFEIS-3045A/5060



For Roll to Roll Type FPC Board
对应FPC卷制程电路板
NRFEIS-3045R

PCB Separation Machines

基板切割装置

NIDEC MACHINERY CORP.---P44

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。

PCB Separator
台式基板切割装置



Optical Vision Inspection System / Semiconductor-Oriented Products

光学式外观检测装置、半导体相关产品

NIDEC-READ CORP.---P42

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。



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



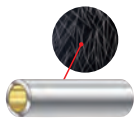
3D Surface Profiling,
Measuring System NVR-E2000
3D形状检测装置
NVR-E2000



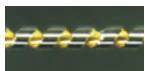
3D Surface Profiling,
Measuring System NVM-6060GCP
3D形状检测装置
NVM-6060GCP



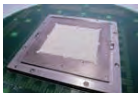
Wafer Bump Inspection System
RMI Series
晶片突起检测装置
RMI系列



Barrel for Semiconductor Probe
半导体探针专用套管



Super Micro MEMS Spring
超微细MEMS弹簧针



Advanced Vertical Probe Card
高性能垂直探针卡

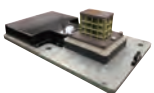
Fixture / Software

检测治具/检测软件

NIDEC-READ CORP.---P42

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



Substrate Marking
PCB激光刻印



Fiber CLS-X



Laser Markers

激光打标机

NIDEC COPAL CORP.---P44

We provide the optimum device for board marking in surface mount production line such as printed data matrix, direct printing of QR code etc, which enable customer's cost reduction (consumable such as labels or print ribbon, and labor cost reduction)

最适于PCB板的产品追踪的专业激光打标机。
可在产品里直接刻印相关数据及QR。可为客户节省成本及劳务费用。

Vision Sensors (VS Series)

NIDEC MACHINERY CORP.---P44

图像传感器 (VS系列)

This is a new Image Sensor targeting versatility and cost reduction. The combination of application and model selection in accordance to inspection needs achieves a high cost performance and accommodates a wide range of applications.

追求通用性以及降低成本的图像传感器全新登场。结合检查需求的应用机种的组合，来实现高性价比，且用途广泛。



Controller
控制器



Camera, Lens
摄像头、镜头



Cable
摄像头接线



Application Examples
应用程序事例



Visual inspection
外观检查
Position detection
位置检出
Dimensional inspection
尺寸测量
Recognition inspection
识别检查
Missing destination
有无判定
Positioning
确定位置
Light and shade inspection
浓淡检查

Semiconductor Package / Continuity Inspection System

NIDEC-READ CORP.---P42

半导体封装通电信检测装置

This equipment is carrying out open/leak inspection on semiconductor package (MCM/CSP/BGA) and is available for a wide spectrum of middle to large-sized circuit substrates.

对MCM、CSP、BGA等半导体封装进行导通和短路绝缘 (OPEN/LEAK) 测试的检测装置。备有检查从大型到中小型的各种基板的产品。



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



GATS-7700/7750/6300 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



Open/Leak/IC Function
Tester R-5920
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



R-680e/6100 Tester for FPC Board
FPC电路板用测试仪 R-680e/6100

Dispenser / Coating Machines

NIDEC MACHINERY CORP.---P44

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。



Jet Dispenser
非接触式点胶机



Application Machines
台式涂布装置



PCB Coating Machines
基板涂层装置

Specific Application System and Automotive Device Inspection System

NIDEC-READ CORP.---P42

特殊检测装置、汽车零部件检测装置

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.

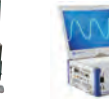
随着汽车电子化的发展，用于车载零部件的功能检测、导通绝缘检测及零部件装配后检测等特殊检测装置、仪器的市场需求也日益凸显。这些产品为客户的生产高效化提供强有力的技术后盾。



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



Function Tester REC-71
ECU功能测试仪
REC-71



Data Logger for Automobiles
DEWE2-A4
汽车数据记录仪
DEWE2-A4

Soldering Equipment

NIDEC MACHINERY CORP.---P44

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

Display / Input Devices Inspection System

NIDEC-READ CORP.---P42

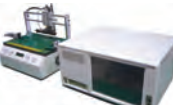
显示/输入元器件检查设备

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。



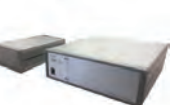
Contact / Non-Contact Touch Panel
Inspection System NRTEs-6000 Series
接触/非接触触摸屏面板检测装置
NRTEs-6000系列



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



For Roll to Roll Type Touch
Screen Panel
卷材触摸屏面板通/绝缘
检测装置



Capacitance Measurement Tester
for Touch Panel R-730 Series
触摸屏面板用容量检测装置
R-730系列



Processing / Inspection Equipment (Mechanical)

工艺设备/检测设备 (机械系统)

Press Machines

冲压机

NIDEC SHIMPO CORP.~P40

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

利用MINSTER, 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。



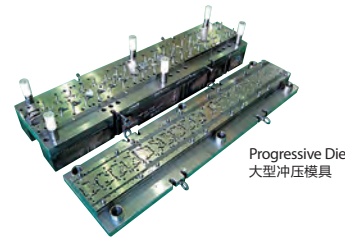
Die Design / Manufacturing

模具设计及制作

NIDEC COPAL CORP.~P44

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



Laser Markers

激光打标机

NIDEC COPAL CORP.~P44

Our laser marker provides high level safety, low power consumption, and small space. It is utilized for various applications such as marking on metal or plastics and peeling process of alumite or coating. We also provide wide range of custom features such as automated transfer to improve our customers productivity.

具有安全性高, 节省空间, 节能和定制化程度高的特点。 本公司产品广泛应用于从金属表面到树脂的刻印, 阳极氧化处理, 涂料剥离等可靠性高的产品。 本产品还有自动零件供应等各种可选项, 是提高工作效率的最佳产品选择。



Fiber CLS-X

Measurement / Assembly Equipment

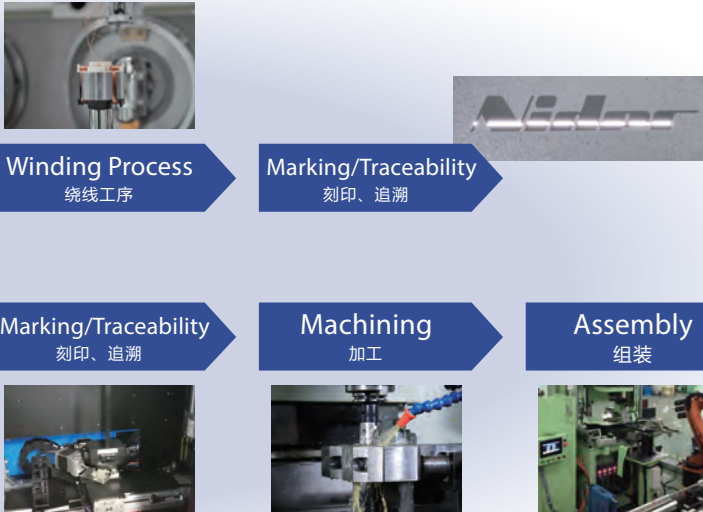
测量和组装设备

NIDEC TOSOK CORP.~P41 NIDEC SHIMPO CORP.~P40 NIDEC MACHINERY CORP.~P44

We are involved in a technical revolution for measuring equipment by developing high value-added products that spur on the development of Automatic 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计测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。

Modular Automation Line
模块化自动生产线



Guideless AGV

无人搬运车

NIDEC SHIMPO CORP.~P40

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。



Precision Measuring Instruments

计测仪器

NIDEC SHIMPO CORP.~P40

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.

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



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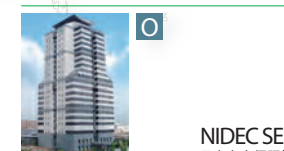
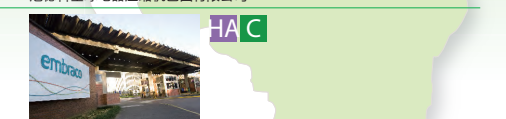
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NIDEC SHIMPO CORPORATION
日本电产新宝株式会社NIDEC TOSOK CORPORATION
日本电产东测株式会社NIDEC SANKYO CORPORATION
日本电产三协株式会社NIDEC-READ CORPORATION
日本电产理德株式会社NIDEC COPAL ELECTRONICS CORPORATION
日本电产科宝电子株式会社NIDEC ELESYS CORPORATION
日本电产艾莱希斯电子株式会社NIDEC MOBILITY CORPORATION
尼得科智动株式会社NIDEC MACHINERY CORPORATION
日本电产增成株式会社NIDEC TECHNO MOTOR CORPORATION
日本电产高科电机株式会社NIDEC COPAL CORPORATION
日本电产科宝株式会社NIDEC CORPORATION
日本电产株式会社

As a step in our mission to continuously create new value, the Nidec group has decided to come together under one unified brand.

By converging and combining the expertise of the individual companies in our diverse group, we are confident that we can continue to deliver groundbreaking world-class solutions while contributing to a comfortable and sustainable society.

为顺应瞬息万变的社会环境，不断创造出新价值，日本电产集团已将企业品牌统一为“Nidec”。集团所有企业将团结一致，充分融合各自的专长，勇攀“世界首创、世界第一”高峰，为创造更加富裕、可持续发展的社会贡献一份力量。

NIDEC GLOBAL SERVICE CORPORATION
日本电产综合服务株式会社NIDEC SERVO CORPORATION
日本电产伺服株式会社NIDEC MOTORS & ACTUATORS (GERMANY) GmbH
德国日本电产电机与驱动器有限公司 (德国)NIDEC GPM GmbH
日本电产盖普美有限公司 (德国)NIDEC MOTOR CORPORATION
日本电产电机有限公司 (美国)NIDEC SOLE MOTOR CORPORATION S.R.L.
日本电产太阳电机有限公司 (意大利)NIDEC ASI S.p.A.
日本电产安萨尔多工业系统有限公司 (意大利)NIDC LEROY-SOMER HOLDING
尼得科利莱森玛控股公司 (法国)NIDEC CONTROL TECHNIQUES LIMITED
尼得科控制技术有限公司 (英国)NIDEC GLOBAL APPLIANCE COMPRESSORES E SOLUCOES EM REFRIGERACAO LTDA
尼德科全球电器压缩机巴西有限公司

CHAUN-CHOUNG TECHNOLOGY CORP.



The Nidec Group has grown to encompass 336 companies in 43 countries (as of October 1, 2020). Nidec has expanded its operations into all of the countries shown in green on the map above.
日本电产集团在43个国家拥有336家公司 (截至2020年10月1日)。图中涂色部分即为上述地区。

Major Product Category 主要产品目录

A Automotive 车载	HR Home / Residential 住宅设备
R Robotics 机器人	M Medical / Health Care 医疗保健
HA Home Appliances 家电	E Electronic Parts / Sensors 电子元件、传感器
LA Logistics / Agriculture 物流/农业	C Commercial 商用
TM Thermal Management Device 导热/散热装置	ID Industrial 工业
T Tactile Devices 触觉设备	Io IoT Products (Internet of Things Products) 物联网产品
IT IT / Office Automation / Mobile Devices / Optical Components 信息技术、办公自动化、移动、光学设备	O Other Products 其他产品
	P Processing / Inspection Equipment 工艺设备/检测设备

Overseas 海外

NIDEC AMERICA CORPORATION 美国日本电产有限公司	NIDEC (SHAOGUAN) LIMITED 日本电产 (韶关) 有限公司
NIDEC EUROPE B.V. 日本电产欧洲有限公司	NIDEC AUTOMOBILE MOTOR (ZHEJIANG) CORPORATION 日本电产汽车马达 (浙江) 有限公司
NIDEC EUROPE SALES B.V. 日本电产欧洲特卖有限公司	NIDEC KAIYU AUTO ELECTRIC (JIANGSU) CO., LTD. 日本电产凯宇汽车电器 (江苏) 有限公司
NIDEC ELECTRONICS (THAILAND) CO., LTD. 泰国日本电产有限公司	GUANZHOU NIDEC AUTO DRIVE SYSTEM CO., LTD. 广州尼得科汽车驱动系统有限公司
NIDEC PRECISION (THAILAND) CO., LTD. 泰国日本电产精密有限公司	NIDEC SUZHOU CO., LTD. 尼得科 (苏州) 有限公司
NIDEC PHILIPPINES CORPORATION 菲律宾日本电产有限公司	NIDEC (H.K.) CO., LTD. 日本电产 (香港) 有限公司
NIDEC SUBIC PHILIPPINES CORPORATION 菲律宾日本电产苏比克有限公司	NIDEC (SHENZHEN) CO., LTD. 日本电产 (深圳) 有限公司
NIDEC (ZHEJIANG) CORPORATION 日本电产 (浙江) 有限公司	NIDEC (SHANGHAI) INTERNATIONAL TRADING CO., LTD. 日电产 (上海) 国际贸易有限公司
NIDEC (DALIAN) LIMITED 日本电产 (大连) 有限公司	NIDEC (BEIJING) CO., LTD. 日本电产贸易 (北京) 有限公司
NIDEC (DONGGUAN) LIMITED 日本电产 (东莞) 有限公司	NIDEC TAIWAN CORPORATION 台湾日电产股份有限公司

NIDEC SINGAPORE PTE. LTD. 新加坡日本电产有限公司	NIDEC AMERICAS HOLDING CORPORATION 日本电产美国控股公司	SCD CO., LTD SCD有限公司	GENMARK AUTOMATION, INC.
NIDEC INDIA PRIVATE LIMITED 印度日本电产有限公司	NIDEC SSB WIND SYSTEMS GMBH	PT. NIDEC SANKYO OPTO INDONESIA 印度尼西亚日本电产三协光学有限公司	NIDEC GRAESSNER GMBH & CO. KG
NIDEC VIETNAM CORPORATION 越南日本电产有限公司	NIDEC COPAL (VIETNAM) CO., LTD. 日本电产科宝越南有限公司	MOTORTECNICA S.R.L.	SYSTEME + STEUERUNGEN GMBH
NIDEC KOREA CORPORATION 韩国日本电产有限公司	NIDEC SANKYO VIETNAM (HANOI) CORPORATION 越南日本电产三协 (河内) 有限公司	NIDEC (BEIJING) DRIVE TECHNOLOGIES CO., LTD. 尼得科 (北京) 传动技术有限公司	DESCH ANTRIEBSTECHNIK GMBH & CO. KG
NIDEC MOTORS & ACTUATORS (POLAND) SP. Z O.O. 波兰日本电产电机与驱动器有限公司	NIDEC TOSOK (VIETNAM) CO., LTD. 日本电产东芝 (越南) 有限公司	NIDEC ARISA S.L.U 日本电产 Arisa 有限公司	NIDEC MOBILITY AMERICA CORPORATION 尼得科智动 (美国) 有限公司
NIDEC MOTORS & ACTUATORS (SPAIN) S.A. 西班牙日本电产电机与驱动器有限公司	NIDEC SHIBAURA (ZHEJIANG) CO., LTD. 日本电产芝浦 (浙江) 有限公司	CANTON ELEVATOR, INC. Canton Elevator 有限责任公司	NIDEC MOBILITY (GUANGZHOU) CORPORATION 尼得科智动 (广州) 车载电子有限公司
NIDEC AUTOMOTIVE MOTOR AMERICAS, LLC 日本电产汽车马达美国联合公司	NIDEC TOTAL SERVICE (ZHEJIANG) CORPORATION 日本电产综合服务 (浙江) 有限公司	NIDEC VAMCO CORPORATION 日本电产 VAMCO 有限公司	NIDEC MOBILITY KOREA CORPORATION 尼得科智动 (韩国) 有限公司
NIDEC AUTOMOTIVE MOTOR MEXICANA S DE RL DE CV. 日本电产汽车马达墨西哥联合公司	NIDEC COPAL (MALAYSIA) SDN. BHD. 日本电产科宝马来西亚有限公司	LGB ELETTRICOMPOMPE S.R.L. LGB 电动泵有限责任公司	NIDEC MOBILITY (THAILAND) CO., LTD. 尼得科智动 (泰国) 有限公司
NIDEC MOTOR HOLDINGS CORPORATION 日本电产马达控股公司	NIDEC MINSTER CORPORATION 日本电产明斯特有限公司	NIDEC SV PROBE PTE. LTD.	NIDEC MOBILITY GERMANY GMBH 尼得科智动 (德国) 有限公司

Only the names of our main business bases are listed. For more details, please see the Global Map on our company website at <https://www.nidec.com/en/worldwide>

此处仅列出主要据点的公司名，有关详细信息，请参见日本电产网站上的“全球地图”。

Headquarters 总部 Sales Company 销售网点 Manufacturing Company 生产基地

NIDEC CORPORATION

日本电产株式会社



Headquarters and Technical Center
总部、中央开发技术研究所

Business :

Development, manufacturing, and sales of small precision motors, automotive motors, home appliance motors, commercial and industrial motors, motors for machinery, electronic and optical components, and other related products.

Headquarters :

338 Kuzetonoshiro-cho, Minami-ku, Kyoto, 601-8205, Japan
TEL : 81-75-922-1111
URL <https://www.nidec.com/en/>

经营范围

精密小型电机、车载及家电、商用和工业用电机、
机器装置、电子和光学部品、其他相关产品的研发、制造和销售

总部地址：京都市南区久世殿城町338
TEL：81-75-922-1111
URL <https://www.nidec.com/zh-CN/>



Research and Development Center
中央马达基础技术研究所



Shiga Technical Center
滋贺技术开发中心



Nagano Technical Center
长野技术开发中心



Center for Industrial Science
生产技术研究



ANNEX Global Learning Center
ANNEX 全球培训中心

Nidec corporation is the “World’s No.1 Manufacturer of Comprehensive Drive Technology” representing a vast majority of the global market for motors used in a wide range from micro precision motors for HDDs to ultra-large motors. Our products are at work in a wide range of fields including IT and office equipment, home appliances, automobiles, commercial and industrial machinery, and renewable energy.

日本电产是全球颇具实力的综合马达制造商，经营范围覆盖硬盘驱动器用主轴马达等精密小型马达至超大型电机。如今，本公司的产品不仅在通讯设备及办公自动化设备领域变得随处可见，还在家电、汽车、商业、工业设备、环境能源等越来越多的领域中得到了普及与应用。



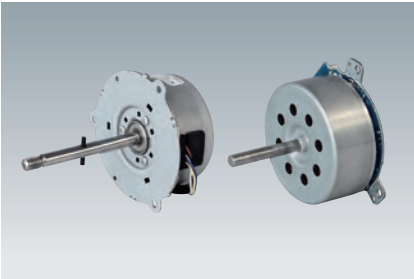
HDD Motors
硬盘驱动器（HDD）用电机



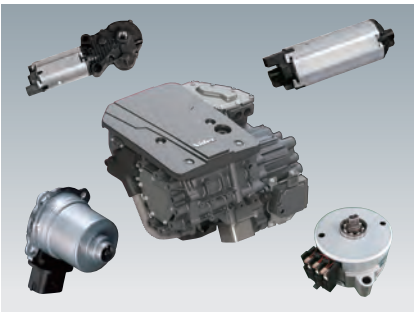
Fluid Dynamic Bearings
液压轴承



Small Brushless DC Motors
小型无刷直流电机



Small Brushless DC Motors
小型无刷直流电机



Automotive Motors
车载电机



Fans
风扇电机



Small Brushless DC Motors
小型无刷直流电机（标准型）



Automotive Motors
车载电机

NIDEC TECHNO MOTOR CORPORATION

日本电产高科电机株式会社



Fukui Technical Center (Headquarters and R&D)
总部・福井技术开发中心

Business :

R&D, manufacturing and sales of small and mid-size motors for HVAC, home appliance and industrial machinery, power tools, motor-based equipment and others.

Fukui Technical Center :

36-1-1 Onyu, Obama-shi, Fukui, Japan
TEL : 81-770-60-2111
URL <https://www.nidec.com/en/nidec-technomotor/>

经营范围

用于空调、家电、工业的各种中、小型电机、
电动工具以及电机应用设备等的开发、制造、销售

总部所在地：日本福井县小浜市远敷36-1-1
TEL：81-770-60-2111
URL <http://www.nidec-tecnom.com/>

Nidec Techno Motor specializes in motors for home appliance and industrial fields, and now has a leading share of the global market for brushless DC motors used in air conditioners. We are contributing to the air conditioner market and other industrial markets with our high quality products based on high technology. We will respond to customer needs by providing our advanced technology on a timely basis.

日本电产高科电机株式会社是一家专业生产家电用电机和工业用电机的公司。在空调用无刷直流电机行业拥有世界顶级的市场占有率。本公司通过不断生产研发高科技高品质的产品，持续为空调・工业等领域的发展做出贡献。我们将及时提供先进技术，满足客户的需求。

Motors for HVAC / Air Conditioners

空调用电机



Room Air Conditioner DC Fan Motors
家用空调直流风扇电机



Outdoor-unit DC Fan Motors for Multi Split System
商用空调室外机用直流风扇电机



Room Air Conditioner Indoor-unit AC Fan Motors
家用空调交流风扇电机

Motors for Power Tools

电动工具用电机



Brushless DC Motor for Power Tools
电动无刷直流电机

Motors for Industrial Machinery

工业用电机



Three-Phase Induction Motors (Mighty Econo)
三相感应电机（高效IE3）



Brushless DC Motors
无刷直流电机

Power Tools

电动工具



High Frequency Power Tools
电动工具高频电动工具（250Hz / 400Hz）

NIDEC SHIMPO CORPORATION

日本电产新宝株式会社



Headquarters and Factory
总部、工厂

Business :

R&D, manufacturing and sales of power transmission drives, press machines, control device, measuring, ceramic art equipment, and others.

Headquarters :

1 Terada, Kohtari, Nagaokakyo-shi, Kyoto, Japan
TEL : 81-75-958-3777
URL <https://www.nidec.com/en/nidec-shimpo/>

经营范围

各种减速机、冲压机、计测仪器、控制器、
工艺设备等产品的研发、生产、销售

总部地址：京都府长冈京市神足寺田1
TEL：81-75-958-3777
URL <http://www.nidec-shimpo.co.jp/>

NIDEC-SHIMPO CORPORATION is a leading manufacturer of power transmissions and press machines. In addition to gearboxes and pottery wheels, our product line-up now includes speed reducers for robot applications, as well as, automatic guided vehicles. Top brands MINSTER, KYORI, ARISA, and VAMCO, provide our customers worldwide with a wide-range of high-quality press solutions.

日本电产新宝株式会社是生产驱动设备及冲压设备的顶级制造商，驱动设备除了伺服减速机 and 电动制陶机外，还有用于机器人的减速机 and 无人搬运车。冲压机包括MINSTER、KYORI、ARISA、VAMCO等顶级品牌，支持着世界各地的“制造业”。

Reducer for Robotics

机器人用减速机



FLEXWAVE

Reducer

减速机



Speed Reducer (ABLE)
ABLE减速机

Guideless AGV

无人搬运车



S-CART
无人搬运车 S-CART

Precision Measuring Instruments

计测仪器



Force Gauge
推拉力仪

Press Machine / Servo Roll Feeder

冲压机、送料机



KYORI Big Size High Speed Precision Press Machine TVX Series
冲压机



VAMCO Servo Feeder
VAMCO伺服送料机

Ceramic Art Equipment

陶艺设备



Electric Potter's Wheel
电动制陶机

NIDEC TOSOK CORPORATION

日电产东测株式会社



Headquarters and Technical Center
总部·研发技术中心

Business :

R&D, manufacturing and sales of precision automobile parts, automated measuring equipment.

Headquarters :

2-24-1 Sobudai, Zama-shi, Kanagawa, Japan
TEL : 81-46-252-3110
URL <https://www.nidec.com/en/nidec-tosok/>

经营范围

汽车零部件、自动测量仪器的研发、制造、销售

总部址：邮编：252-8570 神奈川県座间市相武台2-24-1
TEL: 81-46-252-3110
URL <http://www.nidec-tosok.co.jp/>

In pursuit of high precision and reliability, Nidec Tosok combines the most advanced precision technology to provide unique products in the fields of mass-produced automobile components and enhanced measuring machinery. We will keep striving to grow the company into an entity capable of responding to social and customer needs.

日电产东测株式会社融合了尖端的精密技术，致力于追求产品的高精度、高可靠性，在汽车零部件的量产、柔性测量机械装置等广泛领域，为您提供独具特色的产品。

Control Valve

阀板总成



CVT for Small Vehicle
微型车用CVT

RVL Series, 3D Scanner

RVL型3D扫描仪



Cylindrical Bore Internal Surface Inspection System

圆筒内侧缺陷检测设备



TPI Series
TPI系列

Solenoid Valves

电磁阀



Module Products Electric Oil Pumps

电动化产品 电动油泵



Automobile Parts and Measurement

汽车制造用自动测量装置



Crank Shaft Automatical Measuring Machines
直列4缸曲轴测量刻印机

Rotary Compressor Centering Machine

旋转式空调压缩机用自动定芯机



NIDEC SANKYO CORPORATION

日电产三协株式会社



Headquarters and Shimosuwa Facility, Nagano Technical Laboratory
总部·下諏访事业所、长野开发技术研究所

Business :

R&D, manufacturing and sales of Stepping motors, Motor drive units, Industrial robots, Card readers, Precision plastic molds, Electric contacts and Music box products

Headquarters :

5329, Shimosuwa-machi, Suwa-gun, Nagano, Japan
TEL : 81-266-27-3111
URL <https://www.nidec.com/en/nidec-sankyo/>

经营范围

步进马达、马达驱动组件、工业用机器人、磁卡读卡器、精密塑料成形品、电气接点、八音盒等的开发、制造、销售

总部地址：长野县諏访郡下諏访町5329
TEL: 81-266-27-3111
URL <http://www.nidec-sankyo.co.jp/>

Nidec Sankyo offers so-called "karakuritronics" products that are the fusion of mechanism technology originating from manufacturing of music boxes that begun when the company was founded, actuator technology that has been developed through a wide range of business activities in which motors are placed as the core, and servo system control technology that has been applied to high-precision industrial robots and won customers' trust. Product reliability is endorsed by our No.1 share of the market for various products. We will continue to offer products that create new value.

日电产三协株式会社以创业之初在八音盒研制中所获取的技术为起点，结合以马达产业为核心发展起来的传动装置技术，融和在高精度的产业用机器人深受客户信赖的伺服马达控制技术，研制出多样化的产品，在各大市场领域中均取得领先的市场优势，今后本公司仍将继续打造具有全新价值的产品。

Industrial Robot

工业用机器人



LCD Panel Handling Robot
液晶玻璃基板搬运用机器人

AC Servo Motors

交流伺服电机



AC Servo Motor Series S-FLAG
交流伺服电机系列 S-FLAG

Automotive

车载



Surround View Camera Lens Units for Automobiles
周边监控摄像头用镜头组件

Plastic Molding

树脂成形零件



Double-Molded Products
2色成形品

Laptop PC

笔记本电脑



Stepping Motors
步进马达

ATM

银行ATM终端



Motorized Card Reader
磁卡读卡器

Hot Water Supply

热水器



DC Pumps (for Tank Circulation)
水槽循环用直流泵

Sanitary Products

卫浴



Nozzle Drive Motors for Bidet
清洗喷嘴驱动组件

Refrigerators

冰箱



Automatic Ice Cube Maker
制冰机驱动组件

Music Box

八音盒



Music Box
八音盒

NIDEC-READ CORPORATION

日电产理德株式会社



Headquarters and Factory
总部、工厂

Business :

R&D, manufacturing and sales of semiconductor package/PCB inspection systems, optical inspection systems, FPD inspection systems, automatic measurement/control systems and associated fixtures.

Headquarters :

10 Tsutsumisoto-cho, Nishikyogoku, Ukyo-ku, Kyoto, Japan
TEL : 81-75-315-8001
URL <https://www.nidec.com/en/nidec-read/>

经营范围

半导体封装/电路板检测装置、光学式外观检测装置、FPD检测装置等各种自动计测、控制系统及检测用治具的开发、生产、销售

总部地址：京都市右京区西京极堤外町10番地
TEL: 81-75-315-8001
URL <http://www.nidec-read.com/>

Nidec-Read is a comprehensive manufacturer of measuring and inspection equipment. By providing high speed and highly precise inspections, Nidec-Read has earned the deep trust of customers worldwide by virtue of its main business in the field of continuity inspections of printed circuit boards and semiconductor package boards. In addition to existing electronic inspection equipment, we now market a range of products used for inspecting touch panels, LEDs, and solar cells with our enhanced product lines focusing on automotive device inspection and special inspection equipment.

日电产理德株式会社是以计测和检测技术为主的综合生产厂商。在其主要业务领域的电路板、半导体封装基板的通电检测方面，以高速度、高精度的检测技术深受全球客户的信赖。除了电气检查之外，理德也在不断加强利用光学技术的外观检测装置，特殊检测装置等产品的投入，在触摸屏、LED、太阳能电池检测等领域广泛地开展业务。

Semiconductor Package / Continuity Inspection System

半导体封装基板通电检测装置



Printed Circuit Board / Continuity Inspection System

电路板通电检测装置



NIDEC COPAL ELECTRONICS CORPORATION

日电产科宝电子股份公司



Headquarters
总部

Business :

R&D, manufacturing and sales of electronic circuit components, pressure sensors, actuators, potentiometers, and rotary encoders.

Headquarters :

Nishi-Shinjuku Prime Square., 7-5-25 Nishishinjuku, Shinjuku-ku, Tokyo, Japan
TEL : 81-3-3364-7071
URL <https://www.nidec.com/en/nidec-copalelectronics/>

经营范围

电路元件、压力传感器、驱动器、电位器、编码器的研发、生产、销售

总部地址：东京都新宿区西新宿7-5-25 西新宿Prime Square
TEL: 81-3-3364-7071
URL <http://www.nidec-copal-electronics.com/>

A wide variety of Nidec Copal Electronics' products has been favorably received over the years. We will further enhance development and marketing structures to create "products with added value" in order to create a more comfortable and convenient society.

日电产科宝电子株式会社长年为社会提供用途广泛的产品，赢得了各方给予的高度评价。今后，为了创造更加舒适、更加便捷的生活环境，本公司将以追求产品的“全新附加价值”为目标，进一步加强自身的产品开发与销售体制。

Trimmer Potentiometers

微调电位器



Single-turn Cermet Trimmer
单圈型金属陶瓷微调电位器

Switches

开关



Slide Switch
滑动开关

Fujisoku Switches Pressure Sensors

富士测开关



Toggle Switch
摇头开关

压力传感器



Pressure Transducer
压力传感器

Rotary Encoders

旋转编码器



Optical Rotary Encoder
光学式旋转编码器

Potentiometers

电位器



Conductive Plastic Potentiometer
导电塑料式 电位器

Stepping Motors

步进马达



Geared Stepping Motors
齿轮步进电机

Polygon Laser Scanner

多面形激光扫描器



Low Speed High Precision Polygon
Laser Scanner
低速高精度多面形激光扫描器

NIDEC ELESYS CORPORATION

日本电产艾莱希斯株式会社



Headquarters
总部

Business :

R&D, manufacturing and sales of automotive electronic control devices.

Headquarters :

2-8, Shin-Kawasaki, Saiwai-ku, Kawasaki-shi, Kanagawa, 212-0032, Japan
TEL : 81-44-382-1001

URL <https://www.nidec.com/en/nidec-elesys/>

经营范围

车体系统的汽车电子控制组件的开发、制造和销售

总部地址：神奈川県川崎市幸区新川崎2-8

TEL: 81-44-382-1001

URL <http://www.nidec-elesys.com/>

Under Nidec Elesys' management policy of "a Company to be prospected & proud of", We focus on continuous expansion of core technologies and products and also actively develop new technologies and new products. With the pursue of diverse and state-of-art electronics technologies, we contribute on improving the "convenience", "safety", and "fundamental performance" – accelerating, cornering, and braking-of automobiles.

Furthermore, we have put collision-avoidance system into practical use by making full use of our sensing technology such as Radar and image recognition.

As a leading manufacturer of electronic controls, we are contributing to the creation of a world where everyone can enjoy safe and convenient transportation. We do so by developing and manufacturing automotive Electronic Control Units for global automotive manufacturers such as Motor Company and others.

日本电产艾莱希斯株式会社，以“值得期待的公司”为经营方针，致力于扩大核心技术和核心商品。同时，日本电产艾莱希斯株式会社以其丰富的汽车电子控制技术创造了新型控制系统。此系统的开发目的在于改善汽车具有的基本运转性能（行驶、转弯、停止）以及安全性和舒适性。

另外，由于安全性的提高，使用雷达和图像识别等的超感技术来预防事故系统的新技术也陆续被实用化，也得到海外厂商的极大关注。

作为承载车辆的未来的行业领跑者，我们将一如既往地为广大汽车制造商及全世界开发和生产转向及刹车系统等车用电子控制组件，实现一个使所有人都能安全生活的汽车社会，以此为创造更加丰富多彩的社会做出贡献。



Electric Power Steering (EPS) Unit
电动助力转向系统组件



Vehicle Stability Assist (VSA) Unit
车辆稳定性控制系统组件



New Sensor Fusion
雷达摄像头一体机



Traction Inverter
牵引逆变器

NIDEC MOBILITY CORPORATION

尼得科智动株式会社



Headquarters
总部

Business :

Marketing, development, sales and production of automotive electrical components

Headquarters :

6368 Nenjozaka, Okusa, Komaki, Aichi, Japan

TEL : 81-568-78-6160

URL <https://www.nidec.com/en/nidec-mobility/>

经营范围

汽车电气元件的营销，开发，销售和生产

总部地址：爱知县小牧市大草年上坂6368

TEL: 0568-78-6160

URL <https://www.nidec.com/cn/nidec-mobility/>

Nidec Mobility contributes to solving social issues in the mobility society by providing products centered around various controllers, switches, and sensors used for car body control, which are essential for car electronics. With the rapid technological evolution in car electronics, such as connected, autonomous driving, shared, and electrification, the market for products equipped with control technology will continue to grow. Going forward, we will continue to achieve the best matching between people and cars in the automobile society by developing products that contribute to safety, security, and the environment by evolving automotive electronic control technology.

尼得科智动株式会社通过在全球提供围绕各种用于汽车电子控制所需的车身控制的控制器，开关和传感器等产品，为解决汽车社会中的社会问题做出了贡献。随着汽车电子技术的快速发展，互联，自动驾驶，共享和电气化，配备控制技术的产品市场将继续增长。展望未来，我们将通过不断进化汽车电子控制技术，开发安全，安心和环保的产品，从而在汽车社会中实现人与汽车之间的最佳匹配。



Electric Power Steering ECU
电动助力转向ECU



DC/DC Converter for HEV
混合动力汽车的DC / DC转换器



Push Engine Start System
推引擎启动系统



Power Window Switch
电动车窗开关



Fuel Pump Control Module
燃油泵控制模块



Sunbeam Autolight Sensor with ECU
内置控制器的太阳传感器/自动光传感器



Smart System for Motor
摩托车智能系统



Power Seat Switch and EPB Switch
电动座椅开关，电动驻车制动开关

NIDEC MACHINERY CORPORATION

日本电产增成株式会社



Headquarters
总部

Business :

Design, manufacture, sales and technical support of automatic machines, FA equipment, measuring and testing devices.

Headquarters :

1-32-2 Chiyomi, Tottori-shi, Tottori, Japan

TEL : 81-857-37-1721

URL <https://www.nidec.com/en/nidec-machinery/>

经营范围

各种自动机，FA机器，计测·试装置等的设计，制造，销售以及技术支持

总部地址：鸟取市千代水1丁目32-2

电话：81-857-37-1721

URL <http://www.nidec-machinery.com/>

Nidec Machinery will continue to move ahead as a manufacturer of factory automation equipment based on our high technical and product development capabilities - cultivated over many years - that can respond to market demands on a timely basis. As a factory automation equipment manufacturer devoted to automation and work efficiency, we aim to develop products of unrivaled quality and uniqueness. We will seek out high performance, high quality, and low-cost products based on a coherent production structure.

日本电产增成株式会社以长年积累的高技术力量和适时满足市场需求的新产品研发能力为本，作为工业自动化设备厂商正在实现下一个飞跃。作为自动化·省人力化领域的FA设备厂家，一直以最优品质和独创的商品研发为目标，运用一体化生产体制追求高性能、高品质、低成本。



Screw Tightening Machines
台式拧紧装置



Vision Sensors
图像传感器



Jet Dispenser SONICJET
非接触式点胶机 SonicJet

NIDEC COPAL CORPORATION

日本电产科宝株式会社



Headquarters and Tokyo Technical Center
总部 东京技术开发中心

Business :

R&D, manufacturing and sales of optical, electronic and information equipment, photo equipment and factory automation equipment.

Headquarters :

2-18-10 Shimura, Itabashi-ku, Tokyo, Japan

TEL : 81-3-3965-1111

URL <https://www.nidec.com/en/nidec-copal/>

经营范围

光学仪器、电子仪器、机密部品、模具、图像处理、FA工业设备、车载机器开发、制造、销售

总部地址：东京都板桥区志村2-18-10

TEL: 81-3-3965-1111

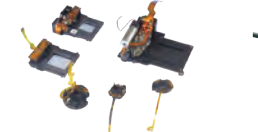
URL <http://www.nidec-copal.com/>

Nidec Copal is the market leader of digital camera shutter units, also providing various other technologies such as precision motors, precise processed parts, industrial systems and image printers etc. As the integrated manufacture of Opto-Mechatronic technologies, we provide highly advanced solutions to the global market.

日本电产科宝株式会社作为照相机快门业界的顶级制造商，同时还在小型精密马达、精密加工部品、工业系统设备、图像打印机等领域广泛展开各项业务。作为光机电一体化综合制造商凭借独创和先进的技术和产品以及海外与国内事业所共创的最佳生产地来满足顾客的需求。

Optical Components

光学仪器



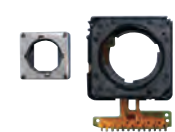
Shutters for Digital Cameras
数码相机专用快门



Camera module for electronic mirror
数码相机快门

Mobile

手机周边



OIS Module for Mobile Equipment
手机专用OIS

Automotive

车载用



Seat Tactile Device Motor
座椅振动马达 触觉式马达

Industrial, Home Appliance, System

工业、家电、系统



Laser Marker
激光打标机

Medical Devices

医疗仪器



Machined Products for Medical Device
医疗用切削部件

Technology Development Components

原有技术



Products of NC Type Automatic Lathe
NC自动机制作部件



Vibration motor & Tactile device
振动马达与触觉式马达

NIDEC GLOBAL SERVICE CORPORATION

日本电产综合服务株式会社



Headquarters
总部

Business :

Insurance agency, real estate, merchandising, building maintenance, leasing, human resource, hotel business, beverage service and others.

Headquarters :

12F, Nidec Headquarters Bldg., 338 Tonosiro-cho, Kuze, Minami-ku, Kyoto, Japan
TEL : 81-75-935-7755
URL <https://www.nidec.com/en/nidec-globalservice/>

经营范围

各种保险代理工作、房地产租赁/管理工作、各种商品销售公司小卖部运营、贷款和租赁业务、劳务承包业务、酒店业务、饮料销售业务等

总部地址：京都市南区久世殿町338（日本电产总部大楼12F）
TEL : 81-75-935-7755
URL <http://www.nidec-service.co.jp/>

Nidec Global Service Corporation provides a diverse range of services to Nidec Group Companies including installing vending machines, product sales, insurance agency, real-estate agency, and other business contract agency services. The company also offers various products and services to general consumers.

日本电产全球服务株式会社除针对集团内部开展自动售货机的安装运营、商品销售、保险代理、房地产介绍以及各种承包等业务外，还面向社会用户提供各种商品和服务。

Overseas Locations

海外网点



Nidec Total Service (Zhejiang) Corp.
Green Sun Hotel
日本电产综合服务（浙江）有限公司
绿阳大饭店（酒店）



ANNEX Ryokuyo
绿阳分馆



Green Sun Hotel
绿阳大饭店

Domestic Locations

日本国内网点

Human Resource Services
劳务服务



Planning and Sales of Private
Brand Healthcare Products
自有品牌保健食品计划和销售服务



Insurance Agent Service
保险代理服务



Vending Machine Installation
自动售货机安装运营



NIDEC SERVO CORPORATION

日本电产伺服株式会社



Headquarters and Kiryu Technical Center
总部、桐生技术开发中心

Business :

Development, manufacture and sales of consumer and industrial small motors, as fans, blowers and sensors, and motor application products.

Headquarters :

3-93 Aioi-cho, Kiryu-shi, Gunma, Japan
TEL : 81-277-53-8811
URL <https://www.nidec.com/en/nidec-servo/>

经营范围

民用、商用精密小型马达、风扇、鼓风机、传感器、及马达应用产品的研发、生产、销售

总部地址：群马县桐生市相生町3-93
TEL : 81-277-53-8811
URL <http://www.nidec-servo.com/>

Nidec Servo manufactures approximately three million small precision motors per month. Every one of our products has its base in customer requirements and is manufactured with technical know-how unique to Nidec Servo. We will continue to respond to customer requests by integrating our varied technologies.

日本电产伺服株式会社月产300万台精密小型马达。任何一款产品均以顾客需求为原点，在本公司独有的技术与经验的完美结合下孕育而生。我们将结合现有的、将来的各项技术，不断回馈顾客提出的所有要求。



DC Blowers
直流鼓风机



Fans
风扇



Stepping Motors & Drivers
步进马达与驱动器



Brushless DC Motors for Industrial Machinery
工业用无刷直流马达



AC/DC Motors
EC电机



DC Motors
直流马达

NIDEC MOTORS & ACTUATORS (GERMANY) GmbH

德国日本电产电机与驱动器有限公司



Headquarters (Germany)
总部（德国）

Business :

R&D, manufacturing and sales of automotive motors (engine cooling, ABS, tilt/telescope, seat adjustment, window lift, air compressor, sunroof and trunk open and close.)

Headquarters :

Seewiesenstrasse 9, 74321, Bietigheim-Bissingen, Germany.
TEL : 49-7142-508-3200
URL <http://www.nidec-ma.com/>

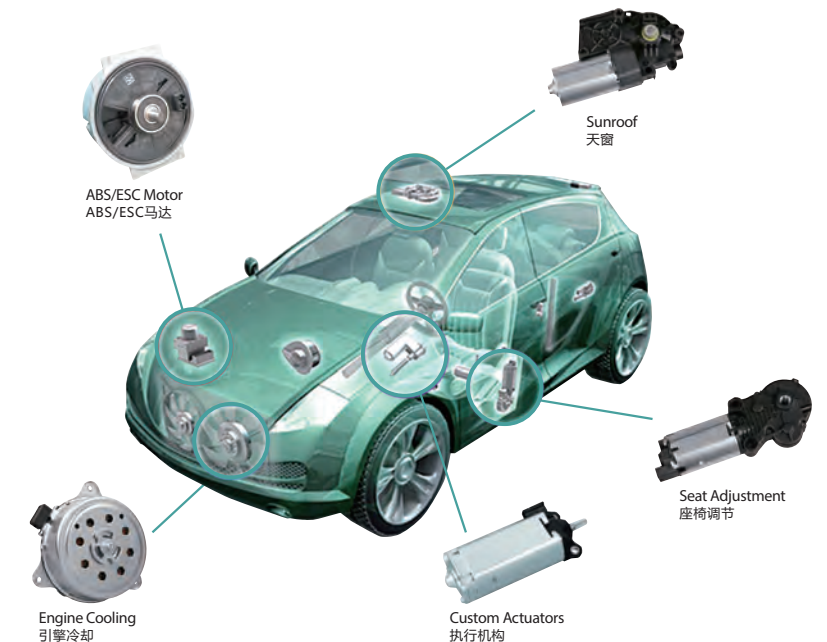
业务内容

车用马达的开发、制造、销售（引擎冷却、ABS、方向盘调节、座椅调节、电动车窗、气压机、天窗、后备箱开闭用等马达）

总部地址：Seewiesenstrasse 9, 74321, Bietigheim-Bissingen, Germany
TEL : 49-7142-508-3200
URL <http://www.nidec-ma.com/>

Nidec Motors & Actuators is a manufacturer of automotive motors that increase automobile safety and comfort. We provide added value to your driving experience by improving electrical operation and reducing energy use of automobiles.

德国日本电产电机与驱动器有限公司是一家致力于汽车的安全性和舒适性的车载马达制造商。我们将致力于提升汽车生活的附加值，为近年来提倡的汽车自动化、节能化做出贡献。



NIDEC GPM GmbH

日本电产盖普美有限公司



Headquarters (Germany)
总部（德国）

Business :

R&D and manufacturing of water pumps, oil pumps and modules for the automotive industry; wide range of OEM customers (passenger cars and commercial vehicles)

Headquarters :

Schwarzbacher Str. 28, 98673 Auengrund OT Merbelsrod, Germany
TEL : +49 36878 64-0
URL <http://www.nidec-gpm.com/>

经营范围

水泵、油泵、车载用模组以及发电、废水处理、化学及石油化工用机械密封件和材料的开发、制造、销售

总部地址：Schwarzbacher Str. 28, 98673, Auengrund OT Merbelsrod, Germany
TEL : 49 36878 64-0
URL <http://www.nidec-gpm.com/>

NIDEC GPM GmbH is a technology leader in Europe with more than 7 decades experience in the development of water pumps for combustion engines. NIDEC GPM's customer range covers the most important Original Equipment Manufacturers (OEM). The product portfolio includes conventional, switchable and adjustable water pumps for the whole range of the combustion engines. In the result of more than 3 decades experience in the field of oil pumps, they have adjusted concepts, too. Their R&D department with a staff of more than 100 engineers and technicians also researches for future concepts of hybrid and electrical pumps.

日本电产盖普美有限公司在引擎用水泵方面拥有70多年的开发生产经验，技术处于欧洲领先地位，为各种汽车发动机引擎配套常规机械水泵及可调式水泵。此外，本公司利用在油泵领域常年积累的技术开发出高附加价值的机油泵产品满足客户的需求。目前正致力于面向下一代混合动力汽车和纯电动汽车的产品的开发。



Transmission Oil Pump
油泵



Variable Water Pump
可变流量水泵



Module
模组



Electric Water Pump
电动水泵



Electrical Oil Pump
电动油泵



Vacuum Pump
电动真空泵

NIDEC MOTOR CORPORATION

日本电产电机有限公司



Headquarters and R&D (U.S.A.)
总部、技术开发基地（美国）

Headquarters :

8050 West Florissant Avenue St. Louis, MO 63136 U.S.A.
TEL : 1-314-595-8000
URL <http://www.nidec-motor.com/>

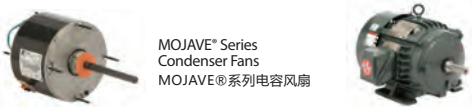
总部地址：8050 West Florissant Ave
TEL : 1-314-595-8000
URL <http://www.nidec-motor.com/>

Nidec Motor is a manufacturer of motors and control equipment for home appliances, industrial use, and consumer use. This company has many development, production and sales bases in America, Mexico, China, and England. It provides a wide variety of products that meet the needs of these countries. The products include motors for washing machines and dryer machines, dishwashers, refrigerating and air conditioning equipment, pump motors for pools and spas, motors for general industrial machines, industrial pump, and vehicle drive. Speaking of rare earths, a subject that has been receiving a lot of media attention recently, the company owns half of the world's patents for rare earth-free SR motors. It will continue to supply unique products without parallel to global markets.

日本电产电机有限公司以美国为中心，在墨西哥、中国、英国等各地拥有多个开发、生产及销售网点，是以三大业务为支柱的综合电机生产厂家。商用、工业用电机及控制设备业务，根据各种需求提供洗衣机/烘干机/洗碗机电机、冰箱/空调设备用电机、游泳池/温泉用泵电机、一般工业机械用电机、工业用泵的电机、车辆驱动用电机等，从普通消费者到工业用等多领域的产品。在长期引人关注的不使用稀土的SR马达方面，拥有全球约一半的专利，作为创造下一代电机的领导者，提供世界上尚未有的新产品。

Commercial, Industrial Motor & Control

商用、工业用电机及控制设备业务



MOJAVE® Series
Condenser Fans
MOJAVE®系列电容风扇

Three Phase, TEFC,
Hostile Duty
三相感应电机（全闭外扇形）

Elevator & Drive Systems

电梯驱动系统业务

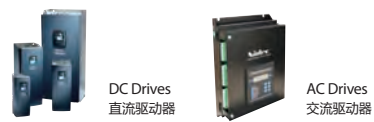


WTY2 Series
WTY2系列

AC Elevator Control
电梯控制设备

Industrial Solutions

工业解决方案业务



DC Drives
直流驱动器

AC Drives
交流驱动器

NIDEC SOLE MOTOR CORPORATION S.R.L.

日本电产太阳电机有限公司



Headquarters (Italy)
总部（意大利）

Business :

Design, production and sales of motors and compressors for home appliances and commercial refrigeration.

Headquarters :

Via Consorziale 13, Località Comina, 33170 – Pordenone, Italy
TEL : +39 0434 3931

经营范围
家用电器（洗衣机/烘干机/洗碗机）的制造和销售

总部地址：Via Consorziale, 13-Località, Comina,
33170 Pordenone, Italy
TEL : 39-0434-3931

Nidec Sole Motor is a leading European manufacturer that designs and manufactures home appliance motors and drive systems. The company strives to improve battery efficiency and reduce water use and noise. They are constantly producing new products with their most advanced and innovative solutions meeting the needs of home appliance manufacturers. The company places emphasis on use of environment-friendly materials and development of products that contribute to environmental conservation through recycling.

日本电产太阳电机有限公司是一家从事家电用电机及驱动系统设计/制造的、屈指可数的欧洲厂商之一。通过满足家电厂家需求的革新且最先进的解决方案，不断推出新产品，致力于改进电池效率、降低用水量、减少噪音等。通过使用环保型材料以及循环使用，特别重视开发有助于环保的产品。



Washing Machine Motors
洗衣机用马达

Dryer Motors
烘干机用马达

Dishwasher Pumps
洗碗机用泵



Washing Machine Motors
(BLDC, BPM)
洗衣机用马达（无刷）

Dryer Motors (BLDC, BPM)
烘干机用马达（无刷）

Dishwasher Pumps
(BLDC, BPM)
洗碗机用泵（无刷）

NIDEC ASI S.p.A.

日本电产安萨尔多工业系统有限公司



Headquarters (Italy)
总部（意大利）

Business :

Development, manufacturing, and sales of mid- to large-sized industrial motors, power generators, and low- to mid-voltage drives as well as development of industrial system and automation systems in the metal and power generation (regenerated energy) fields.

Headquarters :

Via Fratelli Gracchi 39, Cinisello Balsamo 2009-MILANO, Italy
TEL : 390264451
URL <https://www.nidec-industrial.com/>

经营范围
工业用中、大型电机及发电机的开发、制造、销售，低电压、中电压的驱动器的开发、生产、销售、金属、发电（再生能源）等领域中的产业系统及自动化的开发。

总部地址：Via Fratelli Gracchi 39, Cinisello
Balsamo 2009-MILANO, Italy
TEL : 390264451
URL <http://www.nidec-asi.com/english/index.php>

Nidec ASI S.p.A. engages in design, manufacturing, and installation of a variety of motors and power generators, electric and electronic equipment, and industrial automation systems.

日本电产安萨尔多工业系统有限公司是从事各种马达/发电机、电气/电子设备以及工业自动化系统的设计、制造、安装的顶级企业。



Low Voltage Drives
低电压驱动程序

Synchronous Motors
同步电机

DC Motors
直流电机



AC/DC Power Converter
交/直流电力转换装置

Horizontal Alternator (35MVA)
交流发电机（35MVA）

Vertical Alternator (1.6MVA)
交流发电机（1.6MVA）

NIDEC LEROY-SOMER HOLDING

尼得科利莱森玛控股公司



Headquarters, Angoulême France
总部（法国）

Business :

R&D, manufacturing and sale of alternators, electric motors, geared motors, variable speed drives, custom servo solutions and service offers for industry.

Headquarters :

Boulevard Marcellin Leroy
CS 10015 16915 ANGOULEME Cedex / FRANCE
TEL : 33-5-45-64-45-64
URL <http://www.leroy-somer.com/>

经营范围
开发、制造和销售交流发电机、电机、变速驱动器、工业自动化解决方案

总部地址：Boulevard Marcellin Leroy 16000 Angoulême France
TEL : 33-5-45-64-45-64
URL <http://www.leroy-somer.com/>

Nidec Leroy-Somer is a world-leading specialist in industrial alternators and drive systems, with a wide range of electric motors, geared motors and variable speed drives. The company provides highly innovative solutions with a strong focus on energy efficiency, performance and reliability to serve the industrial and large-scale commercial sector markets.

尼得科利莱森玛控股公司是一家拥有世界顶级技术能力的公司，生产和销售工业发电机和控制系统各种交流电动机、减速电机、变速控制设备。本公司为工业和大型商务市场提供创新解决方案，专注于能源效率、性能和可靠性。



NIDEC CONTROL TECHNIQUES LIMITED

尼得科控制技术有限公司



Headquarters
总部

Business :

R&D and manufacturing of customer-focused drive and servo technology.

Headquarters :

The Gro, Pool Road, Newtown, Powys, SY16 3BE, UK
TEL : 44-0-1686-612300
URL <http://www.controltechniques.com/>

经营范围

开发、制造和销售商用和工业用的交流/直流变速驱动器、伺服、电力转换装置

总部地址: The Gro, Pool Road, Newtown,
Powys, SY16 3BE, UK
TEL: 44-0-1686-612300
URL <http://www.controltechniques.com/>

Nidec Control Techniques designs and manufactures electric motor control technology for industry. The portfolio includes AC, DC and servo variable speed drives as well as power conversion technologies. Founded in 1973 in the UK, Nidec Control Techniques has a strong customer base across Europe, the Americas and Asia. Its primary markets are based on manufacturing automation, in particular industries where high performance motor control is valued, for example printing, packaging and machine tools. Nidec Control Techniques is also a market leader in motor control for the elevator market. Industrial applications which demand energy efficiency, such as fans, pumps and compressors, are also key considerations.

尼得科控制技术有限公司设计和开发用于工业电机的控制技术产品。主要产品为交流/直流变速驱动器和伺服驱动器。1973年在英国成立，目前在欧洲，北美，南美和亚洲拥有强大的客户群。我们提供用于工厂自动化的各种用途的产品，这些产品需要高性能的电机控制，例如印刷，包装和机床。同时我们也是电梯控制技术市场中的佼佼者。我们还可以为需要节能的行业提供产品，例如风扇，泵和压缩机。



Universal AC/Servo Drives
通用交流、伺服驱动器



Digitax HD, Dedicated Servo Drives
Digitax HD, 脉冲伺服驱动器



Dedicated DC Drive
直流驱动器



Commander C General Purpose Drives
驱动器



Dedicated Servo Motors
伺服电机

NIDEC GLOBAL APPLIANCE COMPRESSORES E SOLUCOES EM REFRIGERACAO LTDA

尼德科全球电器压缩机巴西有限公司



Headquarters (Brazil)
总部 (巴西)

Business :

Engineering and manufacturing of household and commercial(merchandisers, food retail & service, medical and special applications)refrigeration compressors and condensing units.

Headquarters :

Rui Barbosa, 1020 - Caixa Postal 91, 89219-901 - Joinville - SC - Brazil
TEL : +55 47 3441-2333
URL <https://www.embraco.com>

经营范围

研发和制造家用、商用（食品展示、食品零售、食品服务、医疗及特殊应用）的制冷压缩机和冷凝机组。

总部地址: Rui Barbosa, 1020 – Caixa Postal 91,
89219-901 – Joinville – SC – Brazil
TEL: 55 47 3441-2333
URL <https://www.embraco.com>

EMBRACO is a global refrigeration compressors and condensing units manufacturer. Since 1971 it provides innovative products for household and light commercial refrigeration attending customers' most challenging demands. The company employs approximately ten thousand people, has business units located in Brazil, China, Italy, Mexico, Slovakia, USA and Russia and is commercially present in more than 80 countries.

恩布拉科是制冷压缩机和冷凝机组的世界级制造商。自1971年起，恩布拉科为家用及轻型商用制冷设备提供创新制冷解决方案，以不断满足客户的需求。公司拥有近一万名员工，在巴西、中国、意大利、墨西哥、斯洛伐克、美国和俄罗斯设有工厂和销售中心，业务覆盖80多个国家。



Household
家用冰箱冰柜



Commercial Refrigeration
商用冰箱冰柜



Commercial Condensing Units
商用冷凝机组



Variable Speed



Large Capacity Range



Condensing Unit
冷凝机组



Plug n' Cool
即插式机组



Fixed Speed



Variable Speed



BIOMA Silent Unit

CHAUN-CHOUNG TECHNOLOGY CORP.



Headquarters (Taiwan)
总公司 (台湾)

Business :

R&D, manufacturing and sales of thermal management devices.

Headquarters :

No.184, Zhongxing N. St., Sanchong Dist., New Taipei City 241, Taiwan (R.O.C.)
TEL : +886-2-29952666
URL <http://www.ccic.com.tw/index.php>

经营范围

导热和散热装置的开发，制造和销售

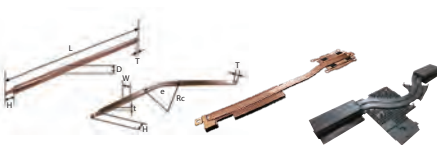
公司所在地: No.184, Zhongxing N. St., Sanchong Dist.,
New Taipei City 241, Taiwan (R.O.C.)

TEL : +886-2-29952666
URL <http://www.ccic.com.tw/index.php>

Chaun-Chong Technology Corp. (CCI) was founded in 1973. The company is specialized in thermal management products, including heatsinks, heatpipes, vapor chambers, thermal modules, and liquid cooling systems with IoT integrated. With 45 years of experience, CCI today is well-known as the key player in the thermal management business.

In recent years, as the data amount handled in various fields has dramatically increased, the speed of CPUs and electronic circuits has risen accordingly. Now, they are facing with heat generation problems. Through the collaboration with CCI, Nidec are proposing the thermal solutions that combine motors and thermal technology for our customers in world wide.

超众科技股份有限公司 (CCI) 成立于1973年。我们专注于热管理产品，例如带有集成物联网的散热器，热管，蒸气室，热模块和液体冷却系统。如今，凭借超过45年的经验，我们成为热管理业务领域的领先公司。近年来，在各个领域中处理的数据量急剧增加，并且随之而来的是，CPU和电子电路变得更快，并且具有发热问题。Nidec通过与CCI合作，为各种市场的客户提供将热量产品和热量技术相结合的热量解决方案。



Heat Pipe / Module
散热管/模组



Heat-Sink / Module
散热片/模组



Vapor Chamber / Module
均热板模组



Liquid Cooling System
液体冷却系统