



Robotics Commercial / Industrial Robot

机器人 (商业/工业用机器人)

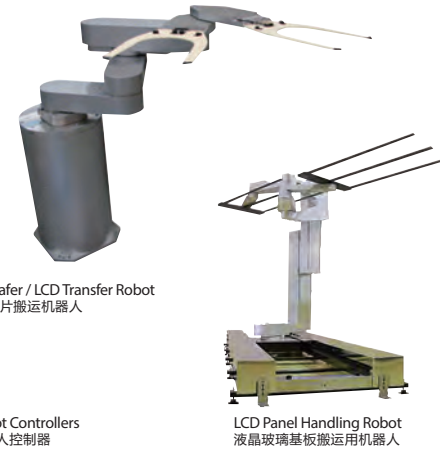
Industrial Robots

工业用机器人

NIDEC SANKYO CORP--P42

Robot has the ability of 3 and 4 FOUFs 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4FOUF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

LCD Panel Handling Robot
液晶玻璃基板搬运用机器人



Robot Controllers
机器人控制器

Mobile Robots S-CART

无人搬运车 S-CART

NIDEC SHIMPO CORP--P43

Next generation AGV with guideless operation capabilities.

可实现无磁条导向的新一代AGV。

Mobile Robots S-CART
无人搬运车 S-CART



S-CART1000

S-CART movie
S-CART视频

THOUZER

THOUZER

NIDEC SHIMPO CORP--P43

THOUZER, a target guided autonomous robot that can easily be controlled or programmed to follow a person or cart.

只需简单的按钮操作便可以跟随人或先行物体运动的“跟踪搬运机器人”。



THOUZER
※THOUZER是株式会社Doog的产品。

Frameless Motor

无框马达

NIDEC MOTOR CORP--P50 NIDEC LEROY-SOMER--P51

Designed to meet the robot arm. 非常适合机械臂的空心电机。



D Series Frameless Motor

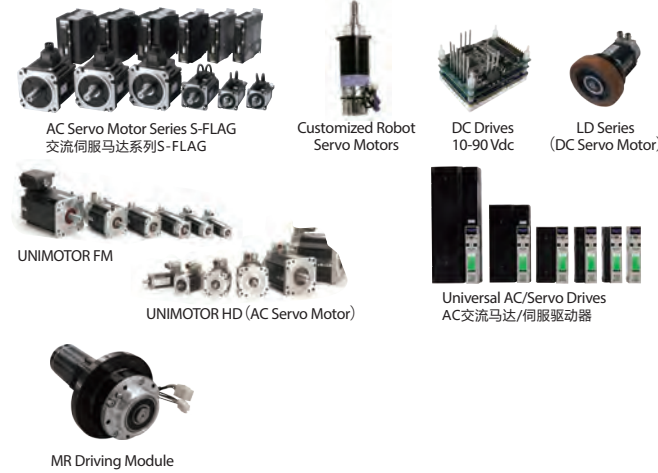
AC / DC Servo Motors & Drivers

交流/直流伺服马达、驱动器

NIDEC SHIMPO CORP--P43 NIDEC SANKYO CORP--P42 NIDEC MOTOR CORP--P50 NIDEC LEROY-SOMER--P51

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齐全的产品阵容，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。



AC Servo Motor Series S-FLAG
交流伺服马达系列 S-FLAG

Customized Robot
Servo Motors

DC Drives
10-90 Vdc

LD Series
(DC Servo Motor)

UNIMOTOR FM

UNIMOTOR HD (AC Servo Motor)

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

MR Driving Module

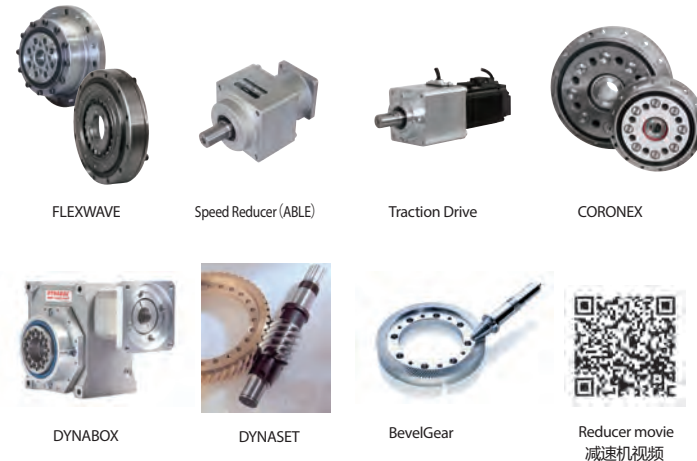
Reducer Series

减速机产品阵容

NIDEC SHIMPO CORP--P43 NIDEC LEROY-SOMER--P51

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. In addition, low-noise high precision ABLE reducers and toothless Traction Drives are also available.

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。



FLEXWAVE

Speed Reducer (ABLE)

Traction Drive

CORONEX

DYNABOX

DYNASET

BevelGear

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--P42 NIDEC COPAL CORP--P45

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)

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。



TiltAC Module
TiltAC模组



Wide Angle Camera Module
广角摄像模组

Tactile Device

触觉设备

NIDEC SANKYO CORP--P42 NIDEC COPAL CORP--P45

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。



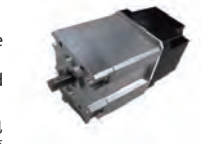
Actuator Motor

执行器马达

NIDEC CORP--P41

All in One = Brushless DC motor, Wave gear & Control board
High resolution, high precision and compact motor module solution

无刷直流马达、谐波传动减速器、控制电路一体化的高分辨率、高精度小型马达模组方案



Actuator Motor RGA20

DC Servo Module Motor for Wheel Drive

直流伺服模组

NIDEC COPAL CORP--P45

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--P41 NIDEC SHIMPO CORP--P43

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

FLEXWAVE

FLEXWAVE

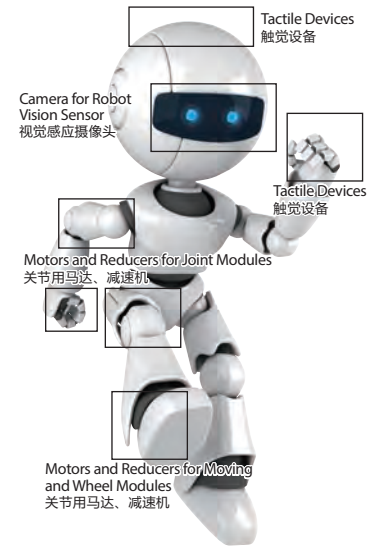
NIDEC SHIMPO CORP--P43

Lightweight and compact reducer with high reduction ratios and low backlash. It is useful for various situations such as robots and machine tools.

轻量小型、高减速、低齿隙的减速机，活用于机器人和机床等各种领域。



FLEXWAVE



Camera for Robot
Vision Sensor
视觉感应摄像头

Motors and Reducers for Joint Modules
关节用马达、减速机

Motors and Reducers for Moving and Wheel Modules
关节用马达、减速机

Drive Motors / Reducers

驱动马达、减速机

NIDEC CORP--P41 NIDEC SANKYO CORP--P42 NIDEC SHIMPO CORP--P43 NIDEC MOTOR CORP--P46 NIDEC COPAL CORP--P45 NIDEC MOTORS & ACTUATORS--P48 NIDEC MOTOR CORP--P50 NIDEC LEROY-SOMER--P51

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。

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