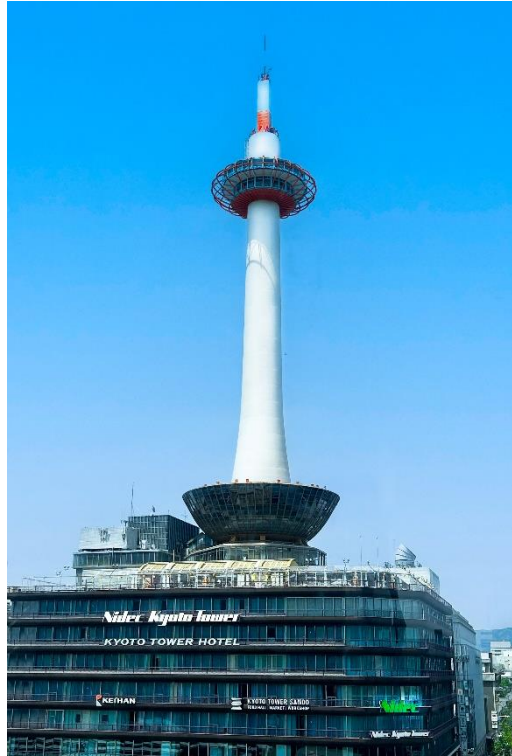




NIDEC CORPORATION

Nidec Corporation: Corporate Profile

SPMS Biz Unit, Nidec Corp.

Oct 20th, 2025



NIDEC CORPORATION

Profile



Founder and Executive Chairman
Shigenobu Nagamori



Chairman
Hiroshi Kobe



President and CEO
Mitsuya Kishida

Business:

Development, manufacturing, and sale of products including:

- Small precision motors;
- Automotive, appliance, commercial and industrial motors; and
- Machinery, and electronic and optical components

Stock

Listed on the Prime Section
of the Tokyo Stock Exchange
(Code: 6594)



Head office (Minami-ku, Kyoto)



Business Units



Executive
General Manager
Yoshihisa Kitao

Small Platform Motor & Solutions Business Unit



Executive
General Manager
Mitsuya Kishida

Automotive Motor & Electronic Control Business Unit



Executive
General Manager
Valter Taranzano
Senior Vice President

Appliance and Automotive Division



Executive
General Manager
Michael Briggs
Senior Vice President

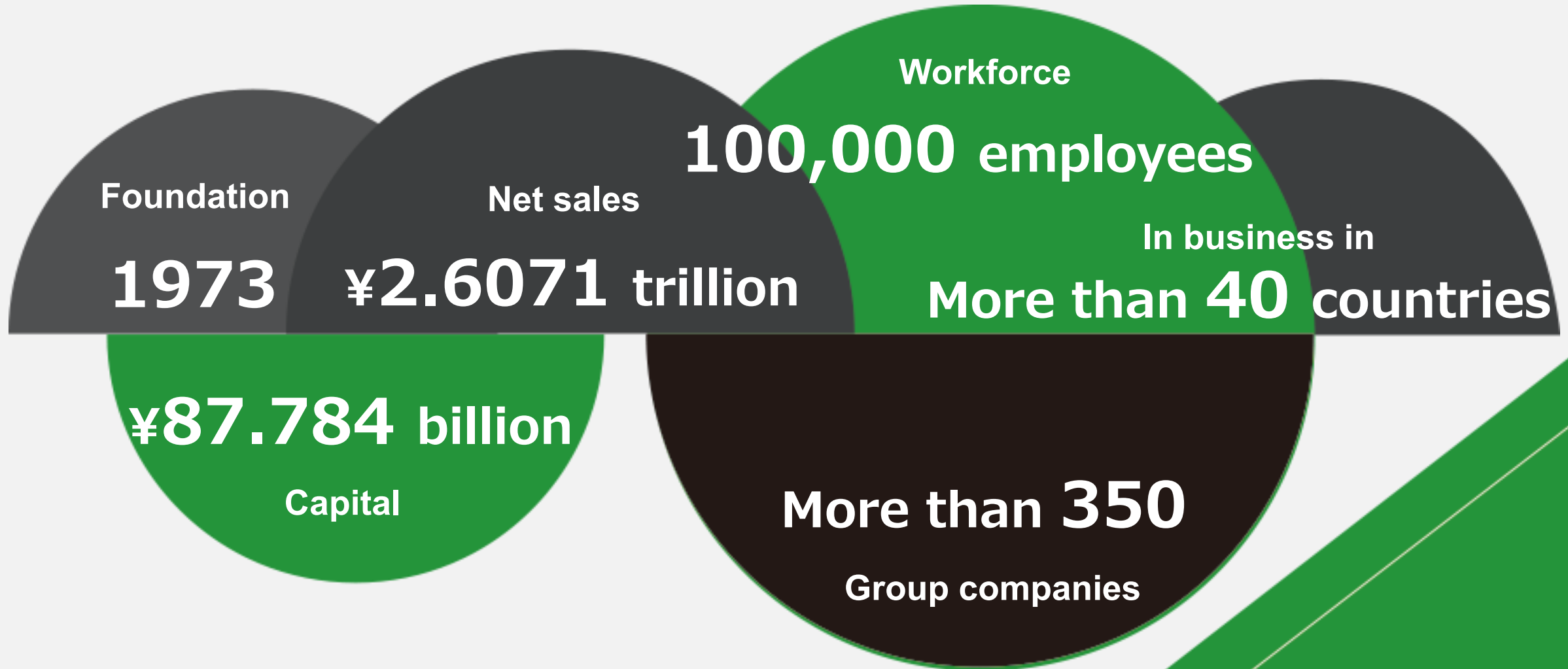
Motion & Energy Business Unit



Executive
General Manager
Tatsuya Nishimoto

Machinery and Automation Business Unit

Profile



The above figures are the latest
as of March 2025



In business in More than **40** countries
Group companies More than **350**

Global



The above figures are the latest
as of March 2023



R&D centers in Japan



Nidec Product Technology R&D Center
(Kawasaki, Kanagawa)



Nidec Center for Production Technology R&D
(Keihanna Science City, Kyoto)



Nidec Central Technical Laboratory
(Building C, Nidec Park, Muko-shi, Kyoto)

Five Business Pillars -Five Areas of Focus Based on Market Trends-

Targeting wide range of business areas from cutting-edge AI-related market to everyday life, infrastructure and energy

Better Life

-Improving quality of life
-Pursuing reliability, safety and health

Home appliances

Commercial equipment (HVAC/elevators)



Sustainable Infrastructure and Energy

Contributing to infrastructure maintenance by efficient generation, storage and utilization of energy

Power generator

Battery Energy Storage System (BESS)



Base of AI Society

Anticipating explosive demand and responding to required evolution

Data center

Semiconductor inspection



Efficient Manufacturing

Leading labor-saving, automation, acceleration and high precision in manufacturing

Machine tools and Press machines

Precision reducers



Mobility Innovation

Electrification and automation of eco-friendly vehicles

Automotive components

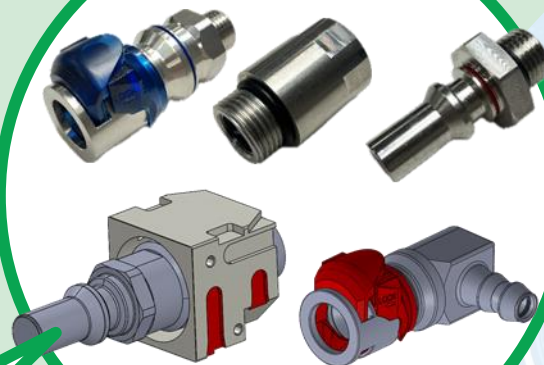
E-bike



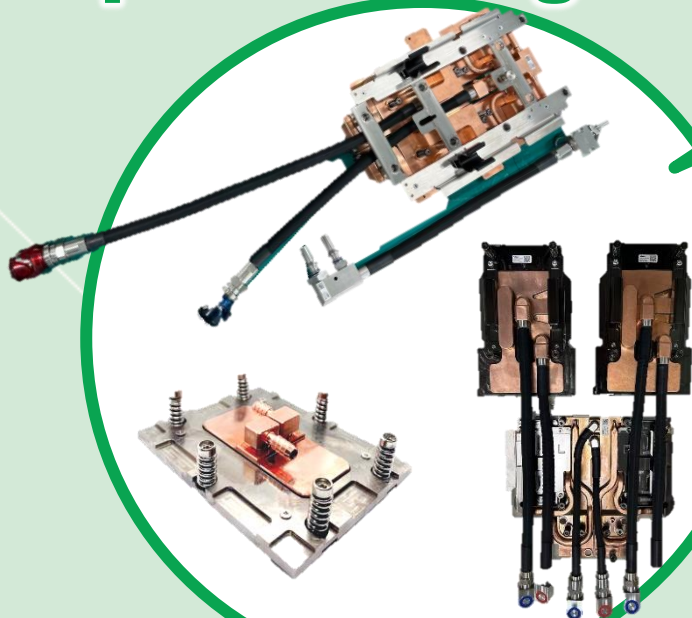
Nidec

Liquid cooling Total Solution

Quick Disconnect



Liquid Cooling Module



Coolant Distribution Unit





Liquid Cooling Solution & Products

Quality

Precision machining and advanced leak test technologies developed through our HDD business deliver highly reliable cooling performance. Every unit undergoes 100% inspection to ensure consistent and stable quality.

Reliability

With over 20 years of experience supplying fans to the air-cooled server industry and a world top tier delivery record for CDUs in 2024, we ensure stable supply and have earned strong trust from the industry, from devices to complete system products.

Production Capability

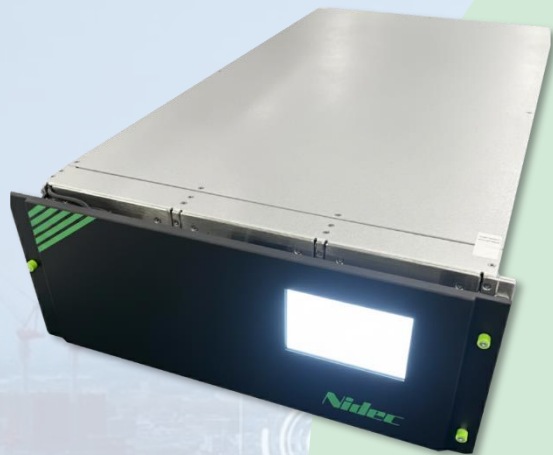
Our vertically integrated production system, from components to final systems, enables high-efficiency manufacturing at our Thai factory. Our global network supports fast and flexible delivery worldwide.



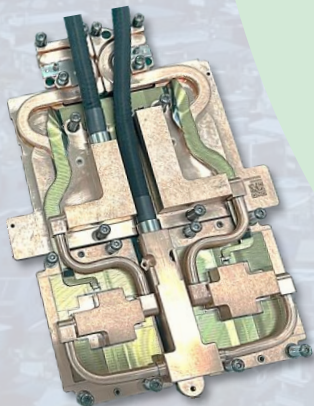
Automated Line
Cleanliness class 100
No-Spill QDs



Industry-leading cooling
Performance CDU
“Redfish” API Enabled



World Top Tier
Delivery record for CDUs
In 2024
“Redfish” API Enabled



As of Nov 2024

Achievement of 5,000 Units in Cumulative Shipments of Open Liquid-Cooling CDU

Nidec Corporation (hereinafter referred to as "the Company") is pleased to announce that the cumulative shipment of CDU (Coolant Distribution Unit) for AI servers has reached 5,000 units.

The Company has focused on liquid-to-liquid cooling technology as an optimal cooling solution for processors mounted in high-performance computing servers, particularly AI servers, and has developed an open liquid-cooling CDU. Mass production is carried out at our Ayutthaya plant in Thailand, and we achieved a cumulative shipment of 5,000 units by the end of November 2024. Moving forward, in response to the strong cooling demands associated with the upcoming release of NVIDIA's next-generation GPU Blackwell series, we aim to achieve a cumulative shipment of 10,000 units as the next step, accelerating the enhancement of our production lines and the launch of new products.



CDU (Coolant Distribution Unit)

Nidec to Start Mass-producing Large, In-row-type CDU for AI Data Centers

Nidec Corporation (TSE: 6594; OTC US: NJDCY) ("Nidec" or the "Company") today announced that it will launch the mass production of a large, in-row-type CDU (Coolant Distribution Unit), which is a new product for AI data centers' cooling systems, in the Company's Rojana, Thailand factory in May 2025.



Front side

Back side

Amid the increase in the heat from GPUs and CPUs, recent years are witnessing a rising demand for more sophisticated and efficient cooling systems. Nidec's latest CDU, which can cool multiple AI server racks housing GPUs and CPUs, will provide solutions to help improve datacenters' cooling efficiency. With this product installed, data centers will be able to significantly reduce the amount of electricity for cooling, which has so far been done by air-conditioning systems.

The new CDU's features

1. High cooling capacity

The new CDU can achieve up to 2.0MW of cooling capacity based on customers' requests. For example, this new product, which can cooling up to *twelve units of NVL72 (the sever system equipped with NVIDIA's GB200 GPUs), maximizes the number of racks that can be installed per unit area required by a data center operator.

2. Redundancy-secured design

With multiple pumps and other main components installed, the new CDU secures redundancy, and thus improves systems' reliability. This design ensures systems' long and stable operations.

3. Capable of accommodating needs for various datacenters – from large ones to container-types

Compact (2m or less in height) while boasting industry-leading cooling performance, Nidec's latest CDU will serve as a liquid-cooling solution that meets a diversity of customers' needs for various data centers – from large ones to container types.

ニデック、データセンター向け大規模液冷装置を千葉県印西市のデータセンターで試験運用開始

Nidec start a trial operation of In-Row CDU in data-center(:NRT12) in Chiba.
→ MC Digital Realty

2025年06月19日

会社名	ニデック株式会社
代表者名	代表取締役社長執行役員 岸田 光哉
取引所	東証プライム(6594)
所在地	京都市南区久世殿町338
問合せ先	コーポレートコミュニケーション部長 渡邊 啓太
電話	(075)935-6150

ニデック株式会社（以下、「当社」）は、データセンターに最適なソリューションとして開発を行ってきた大規模液冷装置（In-Row 型 CDU（注1））のデータセンターへの本格導入に向け、試験運用を本年 8 月より MC デジタル・リアルティ株式会社の NRT12 データセンター（千葉県印西市）にて開始します。



MC デジタル・リアルティの NRT12 データセンター
(千葉県印西市)



Nidec 製 In-Row 型 CDU

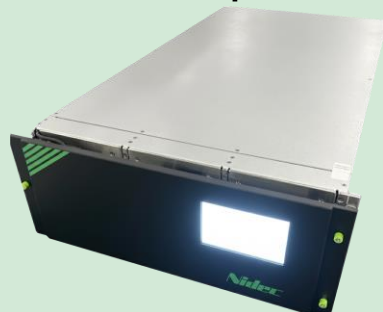
Liquid Cooling Solution & Products

Target

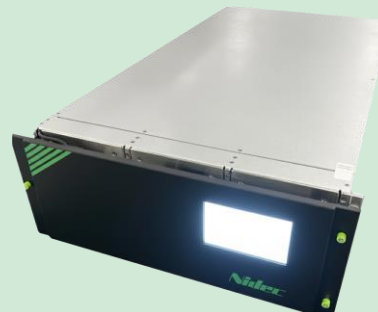
CDU

Enterprise

CSP / DC operator



EIA 19inch In Rack
200KW / 90LPM



OCP 19inch In Rack
250KW / 150LPM

In Row CDU
2MW / 2,250LPM



Target

LCM

Intel
BHS AP

AMD
Genoa SP5

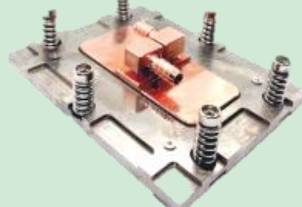
B200 & B300

NVIDIA
GB200 & GB300

VR200



500W



500W



2,700W/Tray



6,870W/Tray

Target

UQD series

MQD series

QD



Nidec

In Rack CDU Gen1.0

size cooling capacity
4Ux200
KW

Support
HPC
B200 & NVL32

Shipped
7,000
units

Security
Redfish

energy reduction
30%

Worldwide Support
After Service



- Proven Performance and Reliability

Delivers compact, high-output cooling for HPC (B200 & NVL32) in a 4U rack. Over 7,000 units shipped for all in Rack CDU models combined, with Redfish API integration for secure management.

- Sustainability and Cost Reduction

Achieves up to 30% energy savings for data center through efficient power use and stable operation, compared to air-cooled data centers.

- Reliability and Risk Mitigation

Equipped with long-life, proven pumps with a track record in automotive usage, even in harsh environments.

- Expertise and Service

Global support network ensures comprehensive after-sales service for diverse customer needs.



In Rack CDU

Gen2.5

size cooling capacity
4Ux250
KW

Support
NVL72
GB200 & GB300

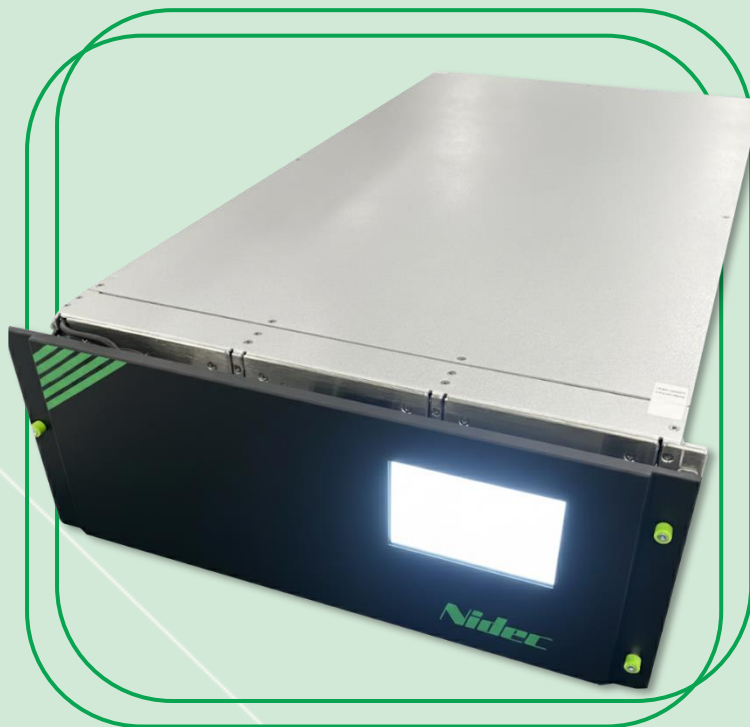
Shipped
7,000
units

Security
Redfish

energy reduction
40%

Automotive
Application record
Pump

Worldwide
Support
After Service



- *Proven Performance and Reliability*

Delivers compact, high-output cooling for NVIDIA NVL72 (GB200 & GB300) in a 4U rack. Over 7,000 units shipped for all In Rack CDU models combined, with Redfish API integration for secure management.

- *Sustainability and Cost Reduction*

Achieves up to 40% energy savings for data center through efficient power use and stable operation, compared to air-cooled data centers.

- *Reliability and Risk Mitigation*

Equipped with long-life, proven pumps with a track record in automotive usage, even in harsh environments. Redundant pumps, power supplies and control boards.

- *Expertise and Service*

Global support network ensures comprehensive after-sales service for diverse customer needs.



In Row CDU NIR2.0

Height
cooling
capacity
1.9 x 2.0
m MW

Support
NVL72
x12 Rack

Security
Redfish

Install
**Container
Data center**

Key Features
**Group -
Control**

Worldwide
Support
**After
Service**

- Proven Performance and Compact Design

Industry-leading cooling capacity up to 2MW in a compact form. One CDU cools up to 12 units NVL72 servers, **delivering top-class output and integrated Redfish security.**

- Sustainability and Cost Reduction

Supports container-type data centers with easy installation and optimized space usage.

- Reliability and Risk Mitigation

Group control enables simultaneous monitoring of multiple CDUs, providing N+1 system control for uninterrupted data center operation.

- Expertise and Service

Global support network delivers comprehensive after-sales service to meet diverse customer needs.





Quick Disconnect

UQD & MQD

Support
NVL72
GB200 & GB300

In-house
Lathing
Machine

Cleanliness
Class
100

Line-UP
UQD
&
MQD

- Proven Performance and Reliability

Compatible of cooling the latest GPUs, GB200 and GB300. Proven track record with over 200k units shipped. Quality is guaranteed by 200% helium leak inspection performed for both individual parts and assemblies, with full inspection of all units.

- Vertically Integrated Production

To prioritize quality, in-house dedicated lathing machines are utilized for Quick Disconnect components. Our vertically integrated production system covers machining, assembly, and inspection.

- Stable Quality with high level cleanliness

Automated line is set up for volume production under clean room Class 100.



Nidec

All for dreams