



Company Profile

Provide the joy of vision all over the world

What NIDEK has been Focusing on Since Its Foundation

“invisible to visible” (creating vision)

“visible to recognition”
(obtaining better recognition through vision)

“eye instruments”
(making excellent products for vision)

What we do best for human eyes is to provide the joy of
vision through our scientific capabilities.

NIDEK will continue to strive to provide this joy of vision to
people all over the world.

"OPTO ELECTRONICS FOR EYE", A Technology to Develop Vision

At the beginning of our foundation, our aim was to achieve our purpose using optics and electronics as a basis.

Eye & Health Care

In 1996, the 25th anniversary of NIDEK, we expanded our business beyond eye care to the whole body.

The kanji 目 (eye) has a broader meaning than 眼 such as “to see” and “to know”. The new domain expresses our belief that we want to participate in maintaining good health, extending average life expectancy and providing a comfortable life.



～Offering Satisfaction and Joy～

NIDEK aims to be a company to excite and impress our customers.

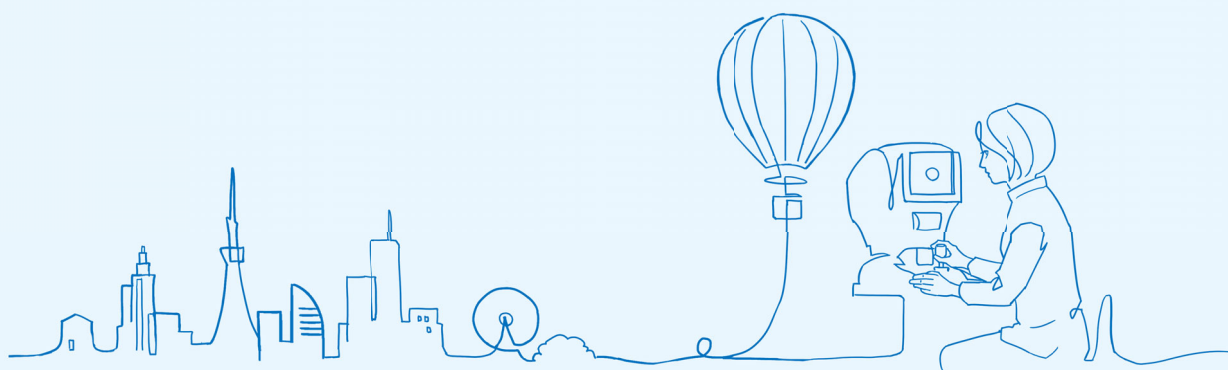
Our Thoughts at the Time of Establishment

Hideo Ozawa, the founder and first president and CEO of NIDEK, was fascinated with the structure and function of the eye when he studied optics in the USA in 1957. With his strong passion for “Contributing to the promotion of Ophthalmology by combining optics with electronics,” Hideo Ozawa gathered a group of engineers, and founded NIDEK in the summer of 1971.

Directions for the Future

In 1996, we expanded our business beyond eye care to the whole body, and in recent years, to diagnosis aimed at prevention and early detection of diseases with the desire to "provide a healthy and comfortable life based on the technology derived from care of the eye".

We are developing equipment and minimally invasive surgical equipment that does not burden the body, as well as regenerative medicine and anti-aging / health care products. NIDEK has marked our 50th anniversary in 2021. We will continue to aim at being a leading company in “Eye & Health Care,” providing services that help people all over the world to live a healthy comfortable life and being a company whose existence serves a purpose.





President and CEO
Motoki Ozawa

NIDEK

3 Business Fields

**What we do is to provide the Joy of
Vision through science.**

NIDEK has been creating competitive products with our technological prowess by combining optical technology and electronic technology.

At present, we are pursuing global business activities based on three fields, Ophthalmology & Optometry, Lens Edging and Coating. These activities encompass everything from development, manufacture, sales and customer service to quickly respond to our customer needs.



1 Ophthalmology & Optometry

Examining Eyes, Diagnosing Eyes and Treatment of Eye Disease

NIDEK offers all in ophthalmic care from every angle.

» Familiar NIDEK products

Have you ever seen the hot air balloon image on the right? If you have seen this balloon in an optical device, then you have used a NIDEK product. This means you have been examined by a leading device used for measuring refraction of eyes which can determine reference values for how much corrective power you will need in your glasses or contact lenses.



2 Lens Edging

Joy of Vision and Satisfaction of Wearing Glasses

We support the whole process in creating the optimum eyeglasses with NIDEK products ranging from visual acuity measurement to lens edging processing.

» Familiar NIDEK products

Nowadays, eyeglasses are considered as a fashion item. NIDEK's lens edgers used worldwide have the flexibility to process lenses for various frame shapes.



3 Coating

Visible Light and Invisible Light

Our coating technology freely counteracts these light waves with an invisible thin film. We perform production by large-scale vacuum deposition coating facilities under a clean environment.

» Familiar NIDEK products

NIDEK's unique technology for anti-reflection film development is used in car navigation system, eyeglass and such. The film provides reduced light reflection and improved visibility.



Ophthalmology & Optometry

Delivering Solutions to Your Needs at All Stages of Eye Care

Based on our long history of R&D, NIDEK has created a variety of products utilizing our advanced technology.

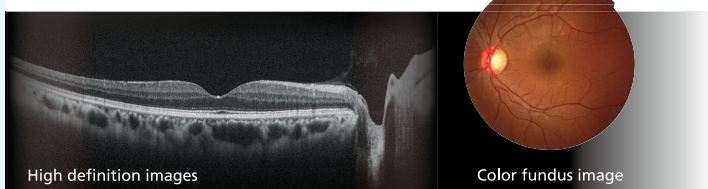
Diagnostic

Retina & Glaucoma

The fundus of the eye is the only part of the human body where the blood vessels can be observed directly from outside of the body. NIDEK fundus diagnostic techniques such as high definition OCT and fundus photography take advantage of this to assist in early detection and prevention of diseases.



Scanning laser ophthalmoscope

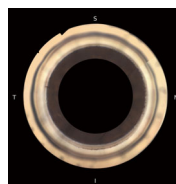
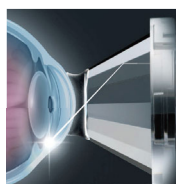


High definition images

Color fundus image



Gonioscope



The Gonioscope acquires color photographs of the iridocorneal angle* in 360 degrees. Localization of the entire iridocorneal angle is enabled.

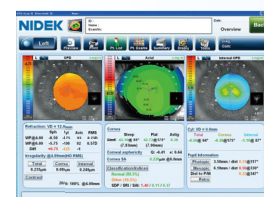
*Iridocorneal angle is the angle between the anterior surface of iris and the posterior cornea.

Cornea & Cataract

The NIDEK corneal diagnostic product lineup includes an optical biometer, specular microscope and refractive power / corneal analyzer. When used in combination, these products allow the practitioner to perform comprehensive evaluation of the corneal condition and optical quality of the eye and further advance evaluation for pre and post refractive / cataract surgery.



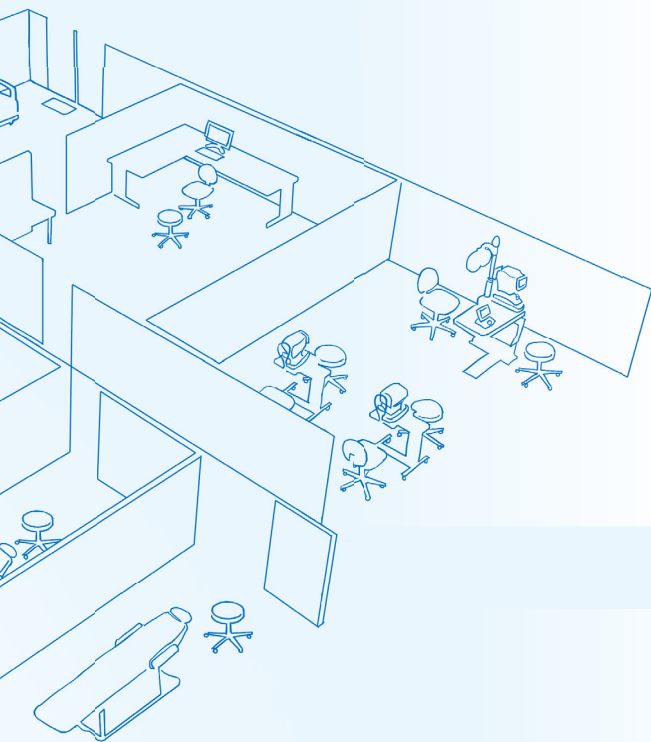
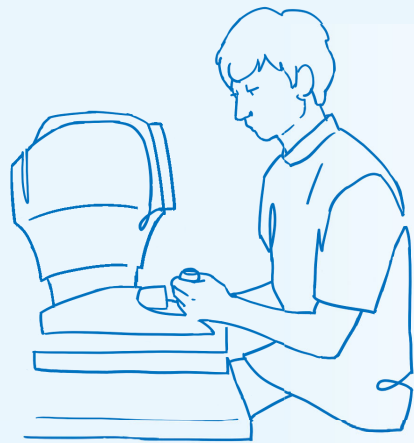
Specular microscope



Overview summary for optimal clinical decisions

Surgical & IOL Ophthalmic Laser

NIDEK has been engaged in the development of laser photocoagulators for treatment of retinopathy and glaucoma as well as ophthalmic surgical systems to treat cataracts.



Hospital Layout Example



Ophthalmic surgical system



Ophthalmic YAG and SLT laser system



IOL injector

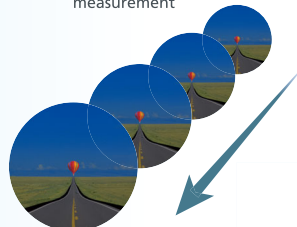


Intraocular lens (IOL)

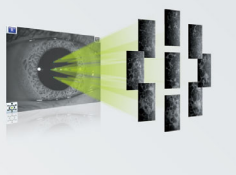
Refraction

We develop devices to perform the various eye test. We support doctors in examining the health condition of patients' eyes.

Accommodation measurement



Auto ref/keratometer



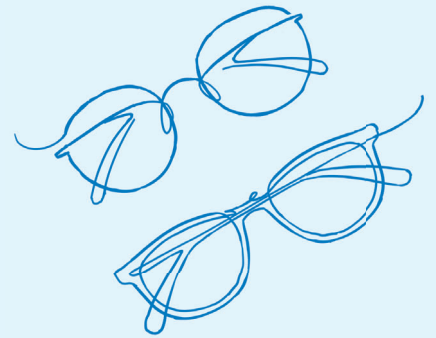
Paracentral specular microscopy

Lens Edging

Promoting Comfortable Vision Life with Its Accurate Lens Edging Technology

High quality lenses and frames are not enough to make a comfortable pair of glasses - Accurate and reliable lens processing technologies are necessary to deliver a perfect fit of lenses and frames.

NIDEK remains committed to developing innovative lens edgers in order to promote comfortable vision life all over the world.



Lens Edger

All NIDEK lens edgers are designed to exceed the expectations of our customers. From customers looking for the latest sport glasses to those seeking the minimalistic look of rimless eyewear, NIDEK lens edgers meet and exceed all of these diverse demands. NIDEK continually listens and responds to the needs of our customers and strives to be at the forefront of the ever-changing world of lens and frame design with our lens edging technology.



Multifunction edger

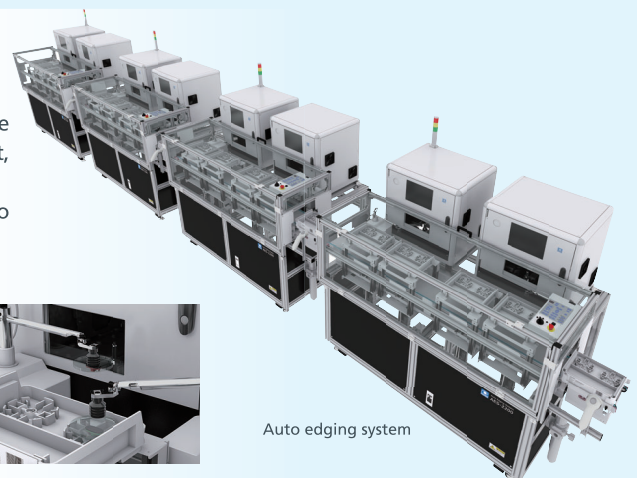


Intelligent blocker

Industrial Edger

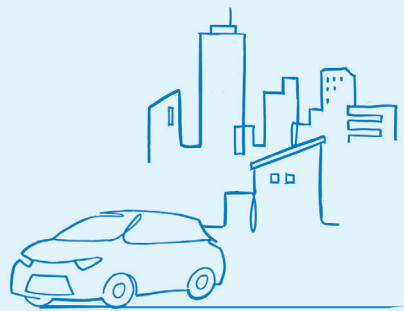


NIDEK industrial lab edging systems are extremely accurate, durable, robust, and adaptable for labs of all sizes. Various configurations are available to meet the needs of specific labs.



Auto edging system

Coating

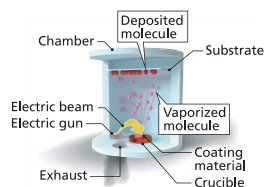


Creating a Brand-new Sensitivity Value through Our Thin-film Coating

Our thin film coating technology enhances the performance of day-to-day advancements in electric displays and optical components. Combination of nano-level thin films allows transmission and reflection of specific light wavelengths according to customers' various needs.

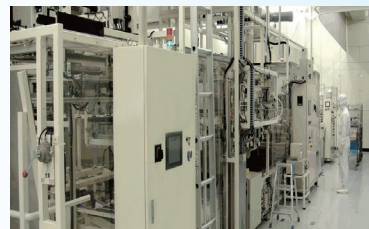
Vacuum Deposition Method

Vacuum deposition is a method of film formation to control the transmittance and reflectance of light. In this method, a coating material is heated until vaporized and sublimated, and then its molecules are deposited onto a substrate in a vacuum.



Wet Coating Method

Apply coating material on the surface of substrate with the exclusive nozzle.



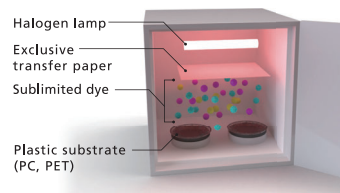
Hard Coating

We possess a large-scale dip coating machine which enables hard coating to moldings up to a size of 1000 mm x 300 mm. Moreover, we have the technology to spray hard coat to moldings with complex shapes.



Transfer Tinting

Our original tinting technology, unlike conventional spectacle lens tinting which uses a dye solution, prints exclusive ink on transfer paper and then heats it in order to sublimate it to the object. Then the dye is heated to be imbibed.

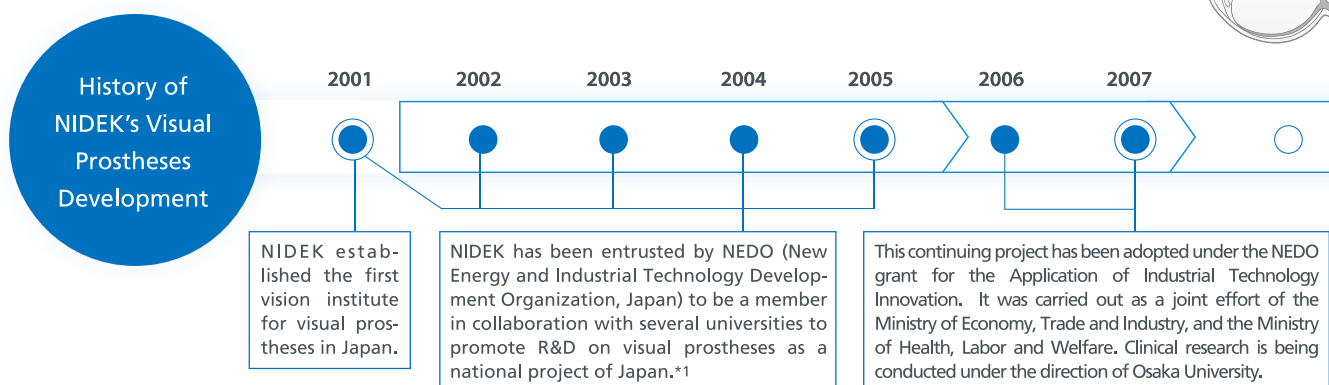
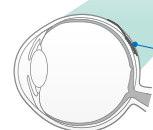


Visual Prosthesis

“Invisible to Visible” Development of visual prostheses is the dream and goal of NIDEK.

NIDEK has been conducting R&D on visual prostheses since 2001.

Our mission is to create a medical implant system that reconstructs vision by electrically stimulating the retinal neurons with multiple points of light that the brain of a blind person recognizes as images.



*1: The basic research has been conducted in cooperation of the following research institutions and NIDEK.
1) Nara Institute of Science and Technology, 2) Kyushu University

NIDEK SDGs Declaration

NIDEK agrees to the aim of the Sustainable Development Goals (SDGs) adopted by the United Nations and made a declaration in August 2021 to commit to contributing to realization of a sustainable society.

Coexistence with a diverse society

Providing eye care solutions to diverse users worldwide

- ▶ Build systems that assimilate ever-changing, diverse needs
- ▶ Provide products and services that cater to diversity
- ▶ Expand the fields in which we provide products and services



Building a society that promotes preventive care

Promoting eye-based preventive care to help maintain people's health

- ▶ Make eye exams more accessible
- ▶ Build partnerships to expand the use of eye exams
- ▶ Share information on maintaining eye-based health



Provide the joy of vision and health care through our technology, and deliver unwavering commitment to people all over the world



Environmental consideration and resource recycling

Building environmentally friendly production systems

- ▶ Develop environmentally friendly products
- ▶ Perform educational activities for environmentally friendly products
- ▶ Save resources by promoting DX



Support for patients with eye conditions

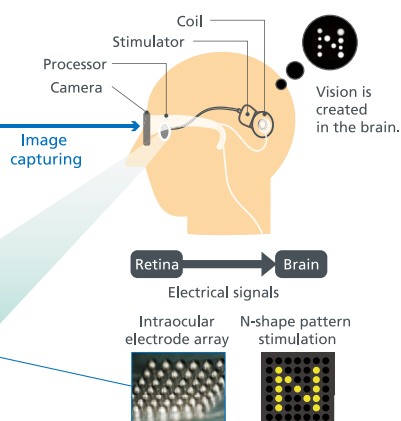
Improving people's QOL together with our partners

- ▶ Take on the challenge of developing technology to make the invisible to visible
- ▶ Create products that support our vision
- ▶ Develop an environment with the aim of improving QOL



NIDEK's Approach to the Artificial Retina System*

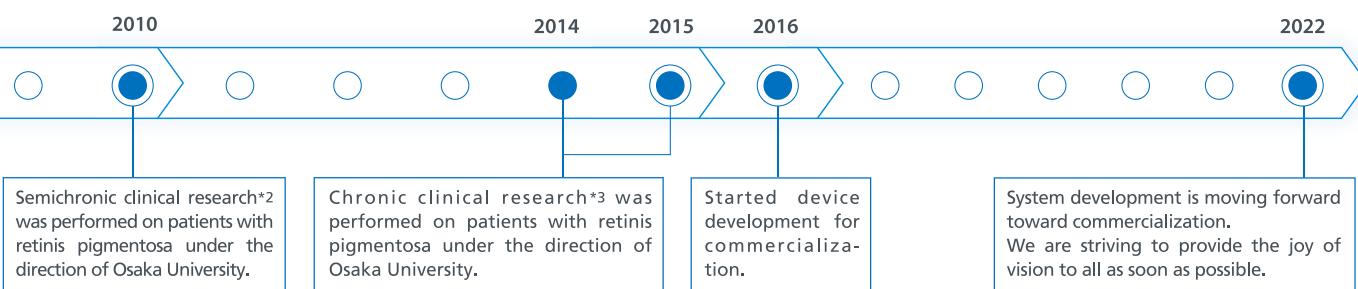
*There are many types of visual prostheses for the reconstruction of vision. Among these, the one that stimulates the retina at the back of the eye is called an artificial retina system.



NIDEK is developing an Artificial Retina System that electrically stimulates the retina. Our method of retinal stimulation is called suprachoroidal transretinal stimulation. This stimulation strategy has been developed in collaboration with a research group at Osaka University, which has been our R&D partner from the launch of this project. This original method gives top priority to safety and reliability.

A certain number of electrodes are arranged on the electrode array that stimulates the retina. The light pattern received from the eye is replicated in the brain by a number of electrodes simultaneously stimulating the corresponding spots in the retina.

Sample image of the letter N using the Artificial Retina System



*2: Clinical research on implanting the Artificial Retina System in the human body for a longer period than that for acute clinical research (about a month).

*3: Clinical research on implanting the system in the human body for about a year.

Efforts in Quality Assurance Activities

NIDEK has acquired the ISO 9001 international standard on quality assurance and the ISO 13485 international standard on quality management systems for medical devices. NIDEK is proud that our quality assurance activities gained the international recognitions that these international certifications attest to. We will continue to strive to enhance our product quality even further and deliver products which our customers can use with confidence.



For the Precious Earth Environment

NIDEK has acquired ISO 14001 certification of environmental management system for the head office and all domestic production bases. In response to this age of environmental awareness, we will continue our efforts to promote active contribution to the formation of a recycling-oriented society.

Eco-friendly Factories



In order to reduce emission of the greenhouse gas, CO₂, we installed solar power generation panels on the roof of several of our facilities. The generated power is put to good use as part of the plant's power supply.



Solar panels on Osawa Plant

Global Network

From Gamagori to the World



Exporting NIDEK Products to More Than 100 Countries Around the World

NIDEK, headquartered in Gamagori, Japan, exports a variety of products to the world. In 1982, NIDEK established its first overseas office in the Silicon Valley in the USA, then we expanded our business to France, Italy, Brazil, China, Singapore and Korea. In addition, we also have a representative office in UAE. NIDEK will continue to strive to expand our business operations globally.



NIDEK INC. [USA]



NIDEK S.A. [France]



NIDEK TECHNOLOGIES S.R.L.
[Italy]



NIDEK MEDICAL S.R.L. [Italy]



NIDEK DO BRASIL
[Brazil]



NIDEK (SHANGHAI)
CO., LTD. [China]



NIDEK SINGAPORE
PTE. LTD. [Singapore]



NIDEK KOREA [Korea]



NIDEK MEDICAL
INSTRUMENTS (CHANGSHU)
CO., LTD. [China]



Dubai Office [UAE]

NIDEK Offers High-quality Products

Most NIDEK products are individually assembled at our own plants in Gamagori instead of using an assembly line system. Our business is conducted from start to finish, through production testing and shipping in the best of production environments by superbly qualified personnel. In addition to IOLs and coating processes, clean rooms are used as necessary for production. By use of this environment, we are maintaining the superior quality of NIDEK products. Also, we accurately identify customer needs and respond to them by developing our own software for our products in order to continue to provide the latest systems.



5 Plants in Gamagori, Domestic Sales and Service Offices in 13 Cities Throughout Japan

NIDEK has domestic sales offices in 13 major Japanese cities from Sapporo to Fukuoka. 10,000 ophthalmologists and 20,000 opticians in Japan are users of NIDEK products.



Head Office (Hiroishi Plant)



Hamacho Plant



Osawa Plant



Tsurugahama Plant



Higashihama Plant



