

## Management Philosophy

We contribute to the world by fighting disease  
and improving health with advanced technology,  
and create a fulfilling life for our employees.



At the time of founding  
Nihon Kohden started with only twelve staff



Founder Yoshio Ogino

**ME (Medical Electronics or Medical Engineering) is the union of medicine and engineering.**

ME is a common abbreviation in recent years but the founders of Nihon Kohden began working in medical electronics around 1945, long before this phrase was born.

**The neuromuscular tissue of a small bird was the impetus behind the founding of Nihon Kohden.**

The late Dr. Yoshio Ogino, founder of Nihon Kohden, was doing research in electrical engineering when one day he happened to see an experiment involving stimulation of the neuromuscular tissue of a small bird. He was struck by the wonder of biology and remarked that “to measure part of a living body requires several hundred times the sensitivity and at least two decimal places more than the equipment developed by the leading electrical engineering experts in Japan.”

He wondered if it might be possible to apply a higher level of engineering to the subtleties of biology and study the human body.

And furthermore, if this union of medicine and engineering could be used for saving human life. With this powerful inspiration, he studied medicine and in August 1951 founded Nihon Kohden.

**With the unshakable conviction that “curing disease is something that transcends politics and national borders, and we will never have any regret putting all our energy into this goal.”**

Nihon Kohden produced a number of state-of-the-art medical electronic equipment.

As medicine evolved, Nihon Kohden's products branched out into many areas. However, the original vision did not change and it still inspires the Company's engineers.

Medical electronic equipment developed by the Company has been used in clinical practice in more than 120 countries and saved a lot of lives of patients.

We continue to leverage its core strengths: capacity to develop technologies rooted in medical practice; broad client base inside and outside Japan; high-quality products and services, and development, production, sales, and service systems to support them; and powerful brand cultivated over many years. Moving forward, the Company will continue to create and provide value for patients and medical professionals, contributing to the world by fighting disease and improving health with advanced technology.

# Trajectory of Nihon Kohden

Since its foundation in August 1951, Nihon Kohden has grown steadily by tackling healthcare issues and contributing to society through the development, production, sale, and service of medical devices.

December 1951  
Launched the **world's first** all AC-powered direct-writing electroencephalograph, the ME-1D

## Birth of an electroencephalograph driven by a battery-less AC power source that changed the world

Most of the EEG devices in use in Japan at that time were imported devices powered by a battery to avoid interference from AC noise. These products had problems with battery exhaustion during patient examinations causing the interruption of recording and failure to record important EEG phenomenon. Maintenance of the battery was also another problem. The ME-1D, featuring reduced noise interference and improved operability, enabled more effective EEG testing and contributed to reduction of the burden on patients/medical staff.



April 1967  
Launched **Japan's first** intensive care monitor, the ICU-80

## Central patient monitoring system for monitoring vital signs of multiple patients

The intensive care monitor allowed medical staff to centrally monitor the EEG, ECG, blood pressure, heart rate, respiration rate and body temperature of up to 8 patients. This monitoring system consists of a central monitor at the nurse station and bedside monitors in patient rooms.

As a result, medical staff became able to notice changes in a patient's condition and record vital signs at the nurse station, which has contributed to improving the quality and safety of medical care and reducing the burden on medical staff.



October 2021

## Takuo Aoyagi, PhD, received American Society of Anesthesiologists Honorary Member Award

Nihon Kohden engineer, the late Takuo Aoyagi, PhD, received the Honorary Member Award from the American Society of Anesthesiologists (ASA). The award celebrates a physician, scientist, or eligible member, who has attained outstanding eminence in anesthesiology or related fields. The award has been presented to eight individuals over the past 40 years, and Dr. Aoyagi is the first Japanese person to receive this award.



FY1970  
Net Sales  
¥4.4 billion

FY2000  
Net Sales  
¥66.7 billion  
Domestic Sales  
¥59.4 billion  
Overseas Sales  
¥7.3 billion

FY2024  
Net Sales  
¥225.4 billion  
Domestic Sales  
¥145.2 billion  
Overseas Sales  
¥80.1 billion



March 1952  
Launched the **world's first** electric ophthalmodynamometer, the MOB-1.



June 1955  
Launched the **world's first** electrocardiograph with electronic recording, the MC-1C.



September 1960  
Launched **Japan's first** multi-purpose monitoring recorder (polygraph), the RM-150.



August 1965  
Launched **Japan's first** battery-powered defibrillator, the MDV-1.



March 1974  
Applied for patent in Japan for the **world's first** pulse oximetry.



November 1976  
Launched the **world's first** telemetry systems, the WEP-6000.



February 1984  
Launched the **world's first** all telemetry fetal monitor, the OMF-7201.



April 1985  
Launched the **world's first** combined respiration monitor, the OMR-7101.



December 1990  
Launched **Japan's first** digital ECG telemetry monitor, the WEP-8430/8440.



March 1991  
Launched the **world's first** digital multi-parameter telemetry bedside monitor, the BSM-8502.



May 2003  
Launched the **world's first** mainstream-method CO2 sensor to be used for non-intubated patients.



June 2009  
Launched the **Japan's first** automated external defibrillator, the AED-2100.



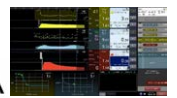
August 2018  
Launched the **world's first** mid-range bedside monitor that can display echo images by connecting an ultrasound probe, the CSM-1700.



June / September 2019  
Launched the **Company's first** ventilators, the NKV-330 and NKV-550.



July 2023  
Launched the **Japan's first** syringe pump control software for assisting with total intravenous anesthesia, the ROP-1680, AsisTIVA.



August 2024  
Launched dashboard software for monitoring patient condition to prevent sudden changes or deterioration in patient condition through early warning scores, the QH-101N.

