

Quality earns trust  
Technology ensures preference



# NPS Corporation

Company Profile

## Contact Information

**Address:** 40-16 Maeda, Hanaoka-machi,  
Odate-shi, Akita-ken, Japan 0170005

**URL:** <http://www.nps-co.jp>

**Tel:** 0186-46-3131

**Contact Department/Person:** Technology  
Promotion Department, Technology Promotion  
Division

Daiki Fujiwara

**Email:** [d-fujiwara@nps-co.jp](mailto:d-fujiwara@nps-co.jp)



Akita · Japan

## Company Overview

### Company History

1987: Company Founded

2005: Commenced Medical Device Contract Manufacturing

2008: PSS Capital Participation

### Core Business

We specialize in the research, development, design, and manufacturing of Class I and Class II medical devices, with a particular focus on equipment for genetic testing and research applications. In addition, we develop and produce semiconductor-related equipment and printed circuit boards (PCBs) tailored for medical device.

## Certifications and Qualifications

**August 2005:** Certified Medical Device Manufacturer

**October 2011:** ISO 13485 Certification (Quality Management System for Medical Devices)

**August 2015:** Successfully completed FDA audit as a medical device manufacturer

## Design & Development Capabilities

### PCB Design:

Advanced design capabilities for up to 6-layer double-sided mounted boards.

### Electrical Design:

Expertise in motor control boards, high-speed serial communication boards for automated equipment, and control systems for pressure ulcer prevention air mattresses.

### Mechanical Design:

Mechatronic design with extensive experience in medical device development.

### Software Design:

Proficient in sequence control, embedded software (C language, bare-metal development), and GUI development using WPF.

## End-to-End Development Process



## Manufacturing Excellence

We design our own production lines and manage the entire process—from assembly and validation to operation—in-house.

Our internal development of sequence control software enables flexible process modifications even after system implementation.

We provide comprehensive support from the design phase, including:

**Jig And Inspection Equipment Development**

**ROM Programming**

**Work Instruction Documentation**

**Production Launch**

All without burdening our customers.

With extensive experience in medical device mechanical assembly, we can independently source components based on design specifications.

We excel at creating optimized work instructions and enhancing production efficiency.

## Major OEM Achievements

### Qiagen Gmb

Automated Nucleic Acid Extraction System

### Invitrogen Corporation-Life Technologies Corporation

Automated Nucleic Acid Extraction System

### DiaSorin

Molecular Diagnostic Device Utilizing LAMP Technology

### Abbott Laboratories -Ibis Biosciences

Fully Automated Sample Preparation System for Bacterial Detection

### Precision System Science Co., Ltd.

High-Quality, Cost-Effective Automated Nucleic Acid Extraction System

### Bechman Coulter, Inc.

Automated Nucleic Acid Extraction System

