

## FOR IMMEDIATE RELEASE

**Nidec Corporation** 

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# Shiga Technical Center Unveils New Main Laboratory

- Nidec's largest, most advanced R&D center -

Nidec Corporation (NYSE: NJ) today announced the launch of the new main laboratory of Shiga Technical Center (the "Main Laboratory"). A ceremony was held at Shiga Technical Center on November 24, 2009 to celebrate the official commencement of research and development operations at the Main Laboratory constructed last August.

#### 1. Background of Shiga Technical Center

Shiga Technical Center was originally established as Shiga Factory (Shiga Prefecture, Japan) in 1984 primarily for the purpose of manufacturing brushless DC motors for hard disk drives, cooling fans and other precision devices. In April 1994, Shiga Factory ceded its mass-production capability overseas and restarted as a research and development laboratory dedicated to the design of brushless DC motors manufactured in Nidec's overseas factories. With the age of electric vehicles drawing near, the Main Laboratory provides a perfect environment for automotive-centric electric motor engineering going forward. As Nidec's largest R&D facility boasting a long-time accumulation of brushless DC motor technology, Shiga Technical Center is now poised to bring Nidec products to a new height of energy efficiency and environmental friendliness.

#### 2. Key features of the Main Laboratory

- Office rooms and laboratories are co-located in extensive floor space.
- A connecting corridor between the new and former buildings ensures high accessibility and work efficiency
- Biotope installed in front of the entrance provides a home to various living organisms.
- Architectural design featuring a rooftop garden, insulated metal sandwich wall panels, and metal-coated, multiple-gazed windows prevents undue solar heat gain/loss inside the building.
- An open stairwell and sunlight windows allow natural light into the building, thus reducing daytime lighting needs. Presence detectors with automatic power off-on function ensure constant light control.
- Long-lasting, energy-saving LED lighting are used for outdoor signage and testing rooms to save

electricity.

- The product showroom offers visitors an enjoyable environment to learn about Nidec products (e.g. a full-scale car replica equipped with Nidec motors and hands-on exhibit on electric motor mechanism)

#### 3. Outline of the Main Laboratory

a) Site space: 3,061sqmb) Floor space: 18,720sqm

c) Number of floors: 7 floors above the ground

d) Capital investment: Approximately 12 billion yen for construction of the Main Laboratory, renovation of the existing building and purchase of experimental equipment

## 4. Outline of Shiga Technical Center

a) Address: 248, Nakanohasi, Aisho-cho, Echi-gun, Shiga

b) Site space: 51,258 sqm

c) Floor space: Approx. 39,907 sqm

d) Number of employees:

A yearly recruitment of approximately 150 employees is being planned primarily for engineering and research positions. Expected employment at full capacity in FY2012 is 1500.



Main Laboratory Building



Showroom



Biotope



Roof Garden

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## NIDEC CORPORATION

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