



**FOR IMMEDIATE RELEASE**

**Nidec Corporation**

New York Stock Exchange symbol: NJ

Stock Exchange code: 6594

Contact:

Masahiro Nagayasu

General Manager

Investor Relations

+81-75-935-6140

[ir@nidec.com](mailto:ir@nidec.com)

Released on November 02, 2015, in Kyoto, Japan

**Nidec-Shimpo to Launch New Speed Reducers for Precision Control**

Nidec Corporation (NYSE: NJ) today announced that one of its subsidiaries, Nidec-Shimpo Corporation (“Nidec-Shimpo”), will launch new speed reducers for precision control, as described in the document attached hereto.

Nidec-Shimpo will exhibit these new products at the upcoming CES 2016, which will be held from January 06 to 09, 2016 in Las Vegas in the US.

###



## FOR IMMEDIATE RELEASE

Nidec-Shimpo Corporation  
Representative: Tatsuya Nishimoto  
(Representative Member of the Board of Directors and President)  
Address: 1 Terada, Kohtari, Nagaokakyo-shi, Kyoto 617-0833, Japan  
Website: <http://www.nidec-shimpo.co.jp/en/>  
For inquiries, please contact: Isami Yamaguchi  
(GM, Corporate Planning Department)  
Tel: +81-75-958-3606  
E-mail: [marketing@nidec-shimpo.co.jp](mailto:marketing@nidec-shimpo.co.jp)

Released on November 02, 2015, in Nagaokakyo-shi, Japan

### **Nidec-Shimpo to Launch New Speed Reducers for Precision Control**

Nidec-Shimpo Corporation (the “Company”) today announced that it will start selling new speed reducers for precision control with an internal planetary gear mechanism.

In 1975, the Company developed a unique internal planetary reducer with a simple circular arc gear (named “Circulate”), and launched the product as a “CORONET” reducer. Optimizing the Circulate gear for robots and machine tools led to the development of these new speed reducers for precision control.

As was the case with the wave gear-equipped “FLEXWAVE” series reducers, launched in June 2015, the Company developed the new speed reducers in response to the needs of people trying to achieve a high-precision index for robots’ joint-driving mechanisms and machine tools. As the FLEXWAVE series reducers satisfy the needs with small-size machines, the new speed reducers certainly meet the requirements of customers who handle mid- and large-size machines.

Overview and characteristics of the new speed reducers for precision control:

The reducers are speed reducers for precision control equipped with an internal planetary gear mechanism and a modified simple circular arc (Circulate) tooth form.

- (i) Size (frame number): 4 types (025P, 042P, 080P, and 130P)
- (ii) Reduction ratio: 3 types (1/59, 1/89, and 1/119) (all sizes)
- (iii) Lost motion: 1.0 arc-min. or less (rated torque x warp angle with a load of ±3%)
- (iv) All models use a hollow shaft.
- (v) High efficiency with the use of an original tooth form

The reducers in this latest series will be exhibited at the upcoming CES 2016, where we are planning to exhibit, among others, the actual models, their skeleton models to promote people’s understanding of the principle of speed reduction, and FLEXWAVE series and other models in robot-shaped mobile demonstration units.

CES 2016 will be held from January 06 to 09, 2016 in Las Vegas in the US.

Website: <https://www.cesweb.org/>

The name of the models in this latest series will be announced in early December 2015.

日本電産(Nidec)グループ  
**SHIMPO**

Moving forward after CES2016, the Company will continue to improve our product lineup.

Rendering:



###