Nidec Drive Technology Corporation

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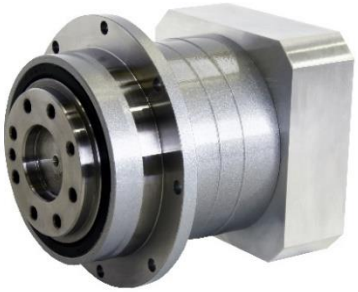
Nidec Drive Technology Adds New Super-high-precision Reducers to Its ABLE Series

Nidec Drive Technology ("Nidec Drive Technology" or the "Company"), a member of Nidec Corporation's group companies, announced today that it has added high-end models that boast industry-leading low backlash, noise, and vibration, to the Company's lineup of the ABLE series, a group of servo motor-dedicated planetary reducers currently on sale.

A VRS Series Reducer



A VRT Series Reducer

Nidec Drive Technology's Latest High-precision ABLE Series Reducers

"ABLE reducer" is the trade name of the group of servo motor reducers that Nidec Drive Technology sells. The latest models that the Company has newly developed adopt tooth-surface grinding gears[*1], **successfully achieving industry-leading precision, noise, and vibration levels (backlash: 1min., or 1/3 of existing models[*2]; noise level: 5dB[*3]; and vibration level: 30% less than existing models[*3])**.

High-end laser beam machines, machine tools, woodworking machinery, and other mechanical products require highly accurate positioning, and a reducer's backlash, vibration, etc. directly affect such products' precision. Nidec Drive Technology's latest products, whose tooth surfaces were ground with the newest models of Nidec Machine Tool Corporation's globally renowned gear grinders, have achieved the aforementioned performance levels while driving down cost.

Nidec Drive Technology stays committed to providing various business fields with high-efficiency industrial machines that utilize the Company's continuously variable transmission-based knowhow, to contribute to productivity improvement and automation.

*1. Tooth-surface grinding: A method to grind gear's tooth surface with a grinding stone. Other grinding methods include gear cutting, shaving, and skiving, but the tooth-surface grinding method can secure better precision than them.
*2. Backlash: The gap created when meshing gears are interlocked with each other.
*3. Representative values of Model No. VRS-140, with a reduction ratio of 1/4

For more details on the above products, please contact Nidec Drive Technology Corporation's Reducer Company Business Planning Group at +81-75-958-3887. Thank you.

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