

## PRESS RELEASE

Dettenhausen, April 8th, 2022

### **PLANETGEAR VRT for Delta Robots: Agile under maximum load**

*What sets Delta robots apart is their combination of speed, precision and the very flexible application possibilities in the packaging and food sector. They run around the clock, in the best case never break down and thus increase productivity while reducing personnel costs. With the PlanetGear gearboxes of the VRT series for Delta Robots, which were specially developed for use in Delta robots, Nidec Graessner adds two more advantages to these: durability and reliability.*

Delta robots are true performance marvels: they achieve top performance around the clock and at very high speed, for example when packaging food. Due to the countless movements that occur during their service life, their gearboxes in particular are subjected to maximum stress. This often leads to failures if the gearboxes cannot withstand these high demands. The result is a standstill on the production line, which causes high costs and requires immediate reaction by competent personnel.

In order to minimise the occurrence of failures, Nidec Graessner has expanded its PlanetGear gearboxes of the VRT series especially for Delta robots with the Delta version. These are particularly resilient and feature lifetime lubrication - with standard or food-grade lubrication depending on the application, making them virtually maintenance-free.

#### **Your advantages**

- Maintenance-free: the maximum rotation of 210 degrees solves previous problems with lifetime lubrication
- Reliability: Precision does not diminish in the long term
- Performance-optimised: Low weight with maximum power density
- Loadable: tapered roller bearings allow for high radial and axial loads
- Precise: special torsional rigidity for high positioning accuracy requirements
- Rotated: smallest standard torsional backlash in this class ( $\leq 1$  arcmin)
- System-independent: easy mounting to any motor thanks to a large selection of adapters

