

## PRESS RELEASE

Dettenhausen, 3. August 2021

### **DYNAGEAR HighRatio – The new two-stage servo right-angle gearbox: space-saving and powerful**

*Power needs to be effective. To ensure that this happens in the best possible way, the experienced gearbox manufacturer Nidec Graessner has developed the DynaGear HR, a new two-stage right-angle gearbox that is extremely space-saving and also has outstanding running smoothness. It complements the single-stage DynaGear gearbox series. With a transmission ratio range from  $i = 16:1$  to  $i = 150:1$ , the limits of what is possible no longer result from what is technically feasible, but merely from one's own imagination.*

Automation requires flexibility. In order to realise this optimally and as comprehensively as possible, a high degree of precision and mobility is required in the smallest possible space. This is where the DynaGear HR two-stage angular gearbox opens up completely new areas of application while maintaining the same high performance. The reasons for this are its short, narrow and therefore space-saving construction, its outstanding flexibility thanks to many designs, sizes and transmission ratio variants, as well as its very smooth running due to the planetary pre-stage and the hypoid gearing on the output.

The gearboxes are lubricated with a fully synthetic gear oil and a special grease as lifetime lubrication. The gearbox and planetary pre-stage are thus practically maintenance-free. As an option, lubrication approved for foodstuffs can be realised. Furthermore, the drive flanges and shafts can be supplied in stainless steel and the housing in an anodised version on request.

#### **Your benefits**

- Two-stage angular gearbox with a transmission ratio range from  $i = 16:1$  to  $i = 150:1$
- Compact overall length as well as narrow design at the output
- Excellent running smoothness due to hypoid gearing in combination with helical planetary gears
- Gearbox dimensions are the same for all ratios
- Low weight and minimal backlash
- Virtually maintenance-free under normal operating conditions
- Energy-saving due to high efficiency of up to 92 %

**sps** - smart production solutions  
Nürnberg, 23.– 25.11.2021  
Stand 3A-401

