

## Press Release

**New performance class with new planetary gearhead sizes**

### **Efficient Expansion of the GPT Gearhead Family**

**The new members of the FAULHABER metal planetary gearhead family are the 14GPT and 16GPT. The compact additions to the series deliver high torque with minimal volume, making them ideal for demanding applications where space is limited. They are extremely robust, capable of withstanding frequent and sudden load changes, and operate with high efficiency. The gearheads can be combined with a wide range of motors.**

The new sizes leverage the proven design principle of the GPT gearheads, which can reliably transmit extreme forces. This not only results in higher torque but also enables a particularly short overall length – perfect for applications where space is critical. Additionally, the optimized design allows for a higher speed of up to 24,000 rpm, enabling efficient use of the motor's full speed range. The increased number of gear ratios contributes to an optimized thermal behavior and extends the operating range of the gearhead. Thanks to increased radial and axial load capacity, even heavier loads can be handled effortlessly.

#### **Reliability and efficiency for a wide range of applications**

To meet the highest standards of reliability and durability, the new GPT gearheads are made entirely of hardened stainless steel. The welded connections between components ensure a robust and long-lasting construction without the use of adhesives. This stable design ensures reliable power transmission, even under extreme loads.

Thanks to their robust construction and high performance, the new 14GPT and 16GPT gearheads are perfectly suited for applications in robotics, laboratory automation or medical diagnostics. Whether in inspection robots, electro-optical devices or laser devices – the new planetary gearheads always deliver maximum performance in minimal space at an excellent price-performance ratio.

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