

### Launch of gearbox platform extension

## Flender One: the next chapter

- **Flender One expands to over one hundred new applications**
- **Tailored solutions through configuration process with just three parameters**
- **Smart gearbox technology AIQ decreases service costs by up to 40 percent**

“We are reinventing the standard.” Those were the words of CEO Andreas Evertz when Flender introduced the Flender One single stage version to the market last year. Now, this reinvention enters the next chapter. Flender announces the global launch of the next extension of Flender One gearboxes. After the models for pumps and paper applications, Flender One expands its reach, offering versatile solutions for over one hundred different applications.

The new gear units are designed to meet a wide range of application needs, including bucket elevators, belt conveyors, and hoisting applications. With a broad spectrum of power classes, sizes, and designs, these gear units ensure optimal coverage of various industrial requirements.

### **Perfect fit with each gearbox**

Flender One stands out with its tailored solutions. Customers only purchase what they need, eliminating unnecessary components and maximizing efficiency. This customization reduces operating expenses and enhances performance, providing a perfect fit for each specific application. Additionally, the gearboxes offer a wide range of add-on parts and customizable output shafts.

The Flender One design saves both time and money in planning and plant operations. The new configuration process can be completed in minutes with just three parameters. Combined with instantly accessible 3-D data, prompt quotations, and shorter delivery times due to automated manufacturing processes, project

timelines are accelerated from the planning phase. Overall, plant operators can achieve up to 25 percent time savings in planning through simplified processes. In operation, the Flender One platform reduces operating expenses. All gearboxes are equipped with performance-optimized Metaperform® gearing, reducing power dissipation by up to 20 percent compared to previous models and a 30 percent higher thermal capacity. Also, the bearing lifetime increases by 80 percent. This results in faster cost amortization for industrial gearboxes from Flender than ever before.

### **Smart gearboxes with AIQ technology**

Flender One offers built-in gear unit intelligence straight from the factory. Each unit comes with an integrated AIQ Core sensor, providing digital monitoring and intelligent onboard analytical functions. This allows for increased plant availability and process optimization, reducing unplanned downtime by up to 70 percent. Data- and need-based maintenance intervals can decrease service costs by up to 40 percent and service-related downtime by up to 50 percent. The optional torque measurement function allows for process and operating point optimization. The AIQ Core torque can be easily selected via the configurator.

Rouven Daniel, President Industrial Gear Units at Flender, also once again stresses the fact that with the help of collected data and AI models, Flender is now able to size the gearboxes only as large as needed for the respective application. “Most industrial gearboxes from all manufacturers in the field, including Flender, are oversized by up to 50 percent. With Flender One and AIQ, we have the right tools to continuously eliminate this oversizing together with our customers. As a result, we will realize massive savings in raw materials, energy consumption, delivery times and installation space. Any waste is eliminated in terms of the environment and costs.”

### **On the way to the customized gearbox**

In the future, further expansions of the Flender One platform will make it possible to configure gearboxes tailored to the respective application and the associated requirements. Despite maximum individuality, customers will benefit from the advantages of series production: Process efficiency in production and thus fast delivery times and low costs.

This is made possible by a real milestone in transmission manufacturing: the complete digitization of the engineering process. It triggers the design exactly

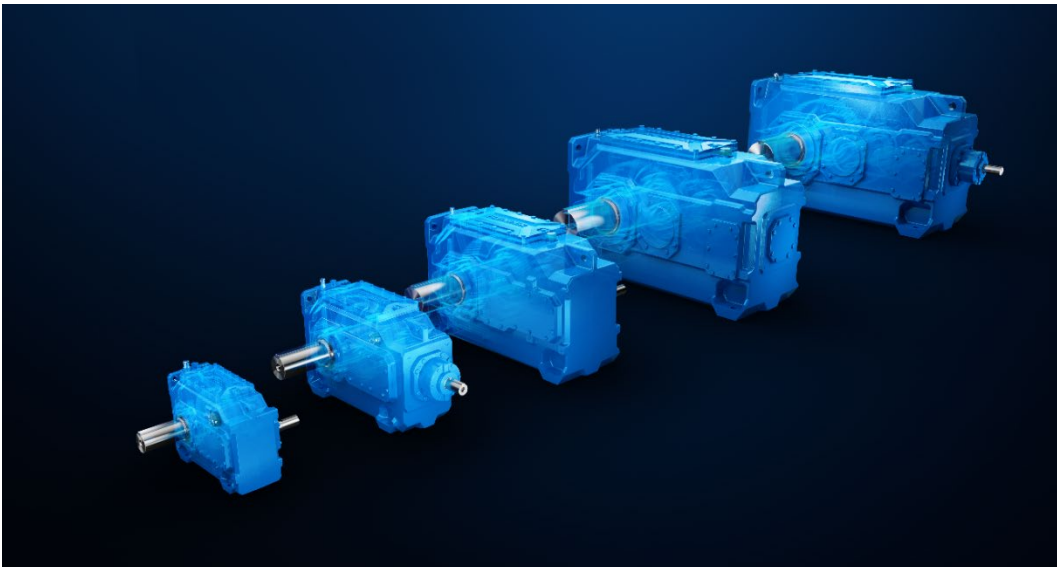
according to customer requirements and translates it into a fully automated manufacturing and delivery process.

Flender CEO Andreas Evertz states, "Flender One represents a significant shift in how we think about gearboxes. It is not just a mechanical iteration of its predecessor FSG but an entirely new solution from the first customer inquiry to operation in the plant."

Rouven Daniel adds, "Flender One stands for being more individual, efficient, and smarter. With an easy-to-understand configuration process, automated manufacturing, and comprehensive 3-D data and documentation in the cloud, it saves our customers valuable time. In operation, Flender One excels with improved power dissipation and AIQ optimization, making it the most efficient Flender gearbox solution we have ever introduced."

### **A Proven Successor**

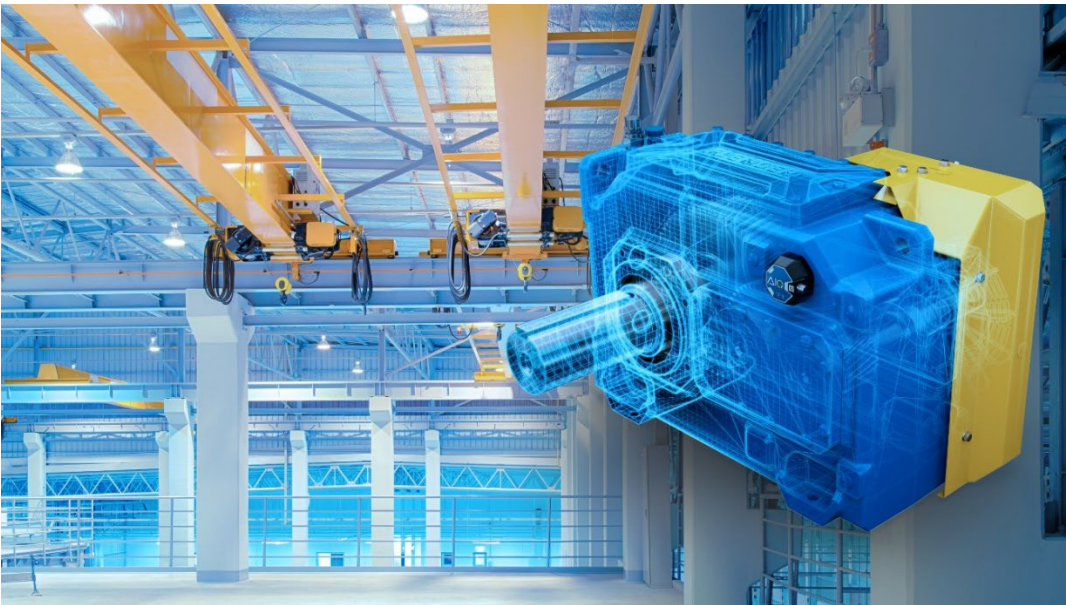
Flender One succeeds the renowned standard industrial gearbox range, FSG, with over 500,000 units in the field. As the most successful standard industrial gearbox range to date, FSG sets a high bar, but Flender One is ready to surpass it with its innovative features and superior performance.



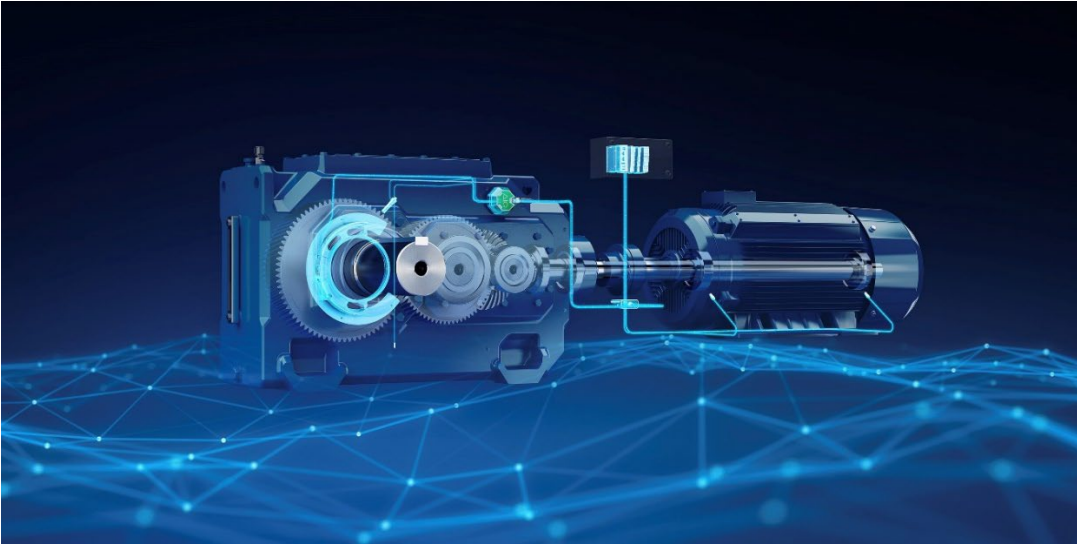
The new Flender One gearboxes are available to order in a variety of sizes and designs.



A Flender One configuration for belt conveyors with external cooling and torque measurement thanks to AIQ.



Overhead cranes are one of many typical applications ideally driven by Flender One gearboxes.



An illustration of a complete drive train with new Flender One gearbox, revealing AIQ sensor technology underneath.

This press release and press pictures are available at

[www.flender.com/company/press](http://www.flender.com/company/press).

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**Flender** headquartered in Bocholt, Germany, is a leading global supplier for mechanical and electrical drive systems and has the reputation for highest performance, innovation, quality, and reliability of drive components for 125 years. Flender offers a broad variety of gear units, couplings and generators and associated services, with a focus on key industries such as wind power, cement, mining, oil & gas, power generation, water and wastewater, marine, conveyor and crane technology. Flender products and services combine the latest technology with extremely high quality and have been reliably providing the optimal transmission of power for decades. Flender has around 9,000 employees globally. Further information is available on the Internet at [www.flender.com](http://www.flender.com).