福莱格霍莫尔集团简介

福莱格霍莫尔（Flaig+Hommel，简称 FH）是一家拥有 80 多年历史的德国紧固件集团。作为一家在连接技术领域极具创新力的企业，其核心优势在于通过内部模具制造和冷墩压工艺，用尽量少的生产步骤实现复杂连接的简单解决方案。

集团概况与核心理念

- **创立与理念**：集团由 Christian Flaig 先生创立。其工程艺术理念是“用尽量少的生产步骤，大规模地实现简单的解决方案”，致力于推动可实现的极限不断向前。
- **生产技术**：核心竞争力在于将复杂的加工工序通过冷墩压工艺完成，使产品更坚固、精进。所有无法通过冷墩压完成的部分，均由其内部自有的精密机加工和模具制造来解决。
- **质量与安全**：对于许多用于高度安全关键位置的部件，集团坚持提供 100%的检测，以确保绝对的安全性和高质量。目前，集团每天向各行各业交付超过一百万个零件。

核心产品与应用领域

- **明星产品**：**FS-全钢防松自锁螺母**是 FH 的专利核心紧固件产品。其独特设计（螺母内部带有一个自锁环）使其具有优异的防松和自锁机械性能，一旦锁紧，必须借助专业工具方能拧开，能抵御车辆震动、高温及腐蚀环境。
- **主要服务行业**：产品广泛应用于轨道交通、汽车制造、矿山机械、电力设备（风电水利）、石油化工业、钢结构建筑及机械制造等领域。

Flaig+Hommel (FH) is a German fastener group with over 80 years of history. As a highly innovative company in connection technology, its core advantage lies in utilizing in-house mold manufacturing and cold heading processes to achieve simple solutions for complex connections with as few production steps as possible.

Group Overview and Core Philosophy

- **Founding and Philosophy:** Founded by Mr. Christian Flaig, the group's engineering philosophy is to "achieve simple solutions on a large scale with as few production steps as possible," constantly pushing the boundaries of what is achievable.
- **Production Technology:** The core competency lies in completing complex machining processes through cold heading, making the products stronger and more refined. Any parts that cannot be completed through cold heading are

resolved by FH's in-house precision machining and mold manufacturing capabilities.

- **Quality and Safety:** For many components used in highly safety-critical positions, the group insists on providing 100% inspection to ensure absolute safety and high quality. Currently, the group delivers over one million parts daily to various industries.

Core Products and Applications

- **Flagship Product:** The **FS All-Steel Prevailing Torque Nut** is FH's patented core fastener product. Its unique design (featuring a self-locking ring inside the nut) provides excellent anti-loosening and self-locking mechanical performance. Once tightened, it requires specialized tools to be removed, capable of withstanding vehicle vibrations, high temperatures, and corrosive environments.
- **Key Industries Served:** The products are widely used in rail transit, automotive manufacturing, mining machinery, power equipment (wind and hydropower), petrochemical industries, steel structure construction, and general machinery manufacturing.