

Article | Danfoss Sensing Solutions production expansion

Next-level smart sensor availability for the mobile hydraulics industry

Digitalization is paving the road to future-proof mobile hydraulics solutions. And as part of our commitment to helping you meet the demand for smarter, safer, and high-performance solutions, Danfoss Sensing Solutions will scale its thin-film pressure transmitter production by 130% with dual production facilities in the UK and Germany.

Coinciding with our increased production is the launch of the next-generation DST P650 pressure transmitter—a robust, digital-ready pressure transmitter built for reliable performance in intense mobile hydraulic applications.

Doubling up on smart sensor production: Increasing capacity by 130% in 2022

Across the globe, OEMs in the mobile hydraulics industry must build smarter, safer, and higher-performance machines than ever before. And meeting the digital-driven demands of the future requires access to both solutions and support. That's why, in 2022, Danfoss Sensing Solutions will more than double its thin-film pressure sensor production with additional production capacity from our factory in Minden, Germany.

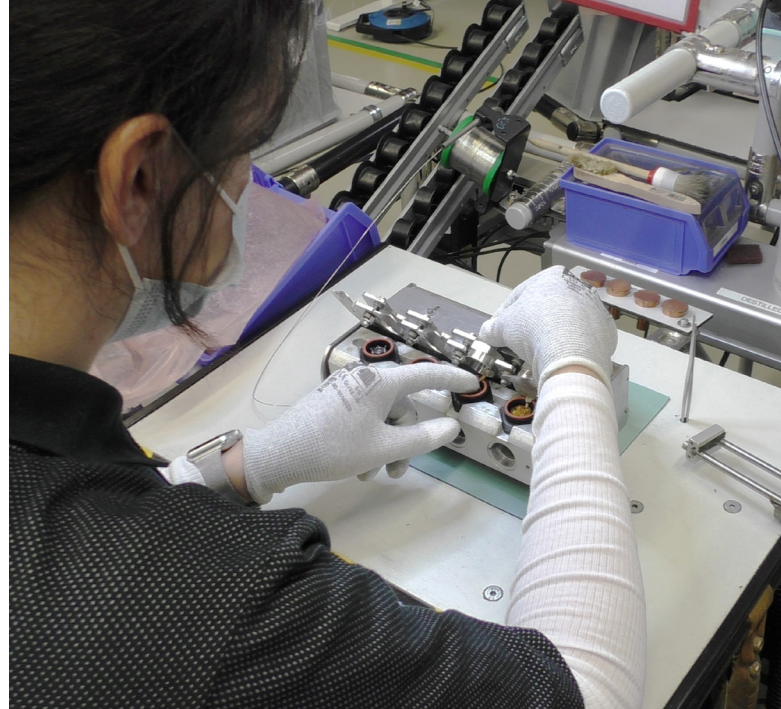
As of January 2022, production of the MBS 1250 and new DST P650 pressure transmitters has scaled by 35%—proving that Danfoss Sensing Solutions is already helping its customers across the globe meet the demand for smart solutions in a variety of mobile hydraulic applications.





Our increased production capacity supports our ambitious growth plans for the mobile hydraulics pressure sensor portfolio. We now have a full understanding of the market's needs, and that's why ensuring free capacity is one of our primary must-win battles—alongside safety and quality—for 2022.”

Kasper Kristiansen, Plant Manager,
Danfoss Sensing Solutions GmbH.



Your partner in the digital sensor age

With additional production equipment, a 25% increase in employees, and three dedicated production shifts, Danfoss Sensing Solutions underscores its commitment to helping OEMs serve the rapidly expanding mobile hydraulics market. And with more than 40 years of frontline mobile hydraulics application insights, you get state-of-the-art solutions backed by global partnership.



Danfoss Sensing Solutions factory Minden, Germany

- In 2017, Danfoss acquired Kavlico thin-film sensor technology assets from US company Sensata Technologies as a response to increasing customer demand for heavy duty pressure sensors
- The 6,000m² building houses a cutting-edge production facility, including a 700m² clean room
- The expansion includes additional production equipment, a 25% increase in employees, and three working shifts
- Thin-film technology is increasingly used in mobile hydraulic applications as it enables the development of robust sensors that withstand higher application temperature and pressure

Build a future-proof fleet today with the DST P650 pressure transmitter

The DST P650 is a smart sensor engineered for robust performance

On the heels of our boosted pressure transmitter production capacity, Danfoss Sensing Solutions is launching the next-generation DST P650, a robust digital-ready pressure transmitter delivering future-proof efficiency, reliability, and safety.

With high-performance functionality and a foundation for smart, scalable diagnostics (to be launched later in 2022), the DST P650 is engineered to withstand the harsh environments of agriculture, construction, and material handling applications across the globe.

Smart features built on a rock-solid foundation

The Danfoss ASIC high-precision digital signal processor will enable diagnostic features to deliver time-critical data to a user interface for improved safety, increased machine uptime with preventative maintenance, and energy-efficient performance.

With game-changing features such as automatic failure detection combined with 24/7 worldwide remote support from Danfoss, the DST P650 pressure transmitter is a compact yet mighty workhorse at the heart of colossal machinery. The convenient small Hex 22 size streamlines retrofit processes and fits many application parts. And, to guarantee a long-term sensor lifetime, its fully welded design ensures high-burst and overpressure capabilities, while zero drift functionality works to maintain machine stability.



DST P650 Features + Benefits:

- ✓ **Partnership + Application Expertise:** Danfoss has over 40 years of frontline market experience combined with industry-leading innovations—which means we are prepared to support your journey now and into the future.
- ✓ **Reliability:** Robust shock- and vibration-resistant construction allows for high performance in high electromagnetic applications such as agricultural and construction machines.
- ✓ **Diagnostics:** Automatic failure detection for fast troubleshooting and significantly reduced machine downtime. This feature will be released later in 2022.
- ✓ **Future-Proof Features:** PLUS +1® compliance ensures seamless integration with electrohydraulic products in a customized control system—uniting products in a single tool chain.
- ✓ **High-Performance Safety:** Functional safety compliant according to ISO 13849-1 MTTFd>100 years in accordance to PLC.
- ✓ **Scalable Platform:** The new digital connectivity is programmable according to specific application needs, laying the groundwork for future development.