



## Press Release

### **Danfoss Power Solutions uses the KELCH KENOVA set line H3**

Horizontal tool presetting – versatile table layout

**Weinstadt, 03 January 2022 – Following comprehensive advice by the system manufacturer KELCH GmbH, Danfoss Power Solutions II GmbH opted for a tool presetter KELCH KENOVA set line H3: a horizontal tool presetter with an innovative swivel table, which can be flexibly integrated into the company's production. A KELCH "Trabant" series tool presetter was previously used for around 30 years in the production of components for hydraulic pipe connection systems.**

The need for a new tool presetter arose at the Danfoss production site in Lohmar. The manufacturer produces steel and stainless steel cutting rings and connector pieces for pipe connection systems at this site. Danfoss uses various machines, including single-spindle automatics, multi-spindle automatics and also rotary transfer machines. The tool presetter used up to now was starting to show wear on the spindle and rotary table after three decades of use. Its computer technology was outdated and its use required a lot of manual work, among other things to set the crosshair.

#### **Horizontal tool measurement with a swivel table**

KELCH consultant Bastian Birkenfeld presented the latest tool presetters to the workforce and recommended continuing to use a horizontal unit for the company's existing tools. To minimise the set-up times through the simultaneous setting-up of multiple adaptors, Danfoss ultimately opted for the KELCH KENOVA set line H3 model. The horizontal tool presetter provides for a versatile table layout with tool holders with diverse interfaces (VDI, HSK, PSC, Index etc.), manual spindle and customised fixings. The variant of the tool presetter with swivel table offers additional possibilities for equipping it with tool holders or spindles. The rectangular design of the swivel table enables adaptors to be positioned from different directions.

#### **Precision and durability**

The compact tool presetter KENOVA set line H3 features a stable, durable grey cast iron body and, with measuring lengths of up to 420 (X) x 350 mm (Z), is a perfect fit for Danfoss tools. Moreover, the axes are conveniently adjusted by means of a pneumatically actuated quick adjustment mechanism, and there is also endless fine adjustment in both axes. The tool presetter boasts a CCD



camera including various control and analysis programs, offering greater precision than the existing unit. It is also available with various software versions and can be extended as required in future.

### **Simple and fast operation**

Danfoss used KELCH's offer to test the manual variant of the KENOVA set line H3 free of charge for some time. The operation of the unit persuaded the employees from the outset. "The different adapters can be changed quickly and seamlessly, even if the employees come from different departments. Above all, its simple and fast operation, for instance by the automatic setting of the crosshair, and the intuitive, self-explanatory operation of the software convinced us from the start," reports Production Manager Marvin Janzen.

---

3,101 characters (including spaces)

Kindly send us a copy or relevant link in the event of publication.

KELCH GmbH, based in Weinstadt near Stuttgart, offers peripherals and services for manufacturers and users of machine tools for cutting processes. With over 100 employees, the company generates annual revenue of approx. €13 million. As a fully owned subsidiary of Harbin Measuring & Cutting Tool Group Co., Ltd. (HMCT), Harbin/China, KELCH is part of the China General Technology (Group) Holding Co., Ltd. (Genertec), Beijing. Genertec is represented in 100 countries worldwide, with 45,000 employees in 51 companies. KELCH GmbH acts as the technology centre for the international business group in Europe. KELCH develops, manufactures and markets tool holders, cleaning devices, shrinking devices, presetters, as well as measuring machines, and also offers tool management services. More information at [www.kelch.de](http://www.kelch.de)

Danfoss A/S is a developer of technologies in the cooling, air conditioning, heating, motor control and mobile and industrial hydraulics sectors. With the acquisition of the Eaton Hydraulics division in August 2021, of which the Lohmar site was also part, the company currently employs around 37,100 employees worldwide with total sales of €7.2 billion.

**Image material:**

Image 1: KELCH\_ChristianAhrens\_AHC8486\_print.jpg



Image 2: KELCH\_ChristianAhrens\_AHC8667.jpg



**Captions:**

Image 1: KELCH consultant Bastian Birkenfeld, here with Danfoss employee Garcia Francisco, presented the KENOVA set line H3 to its future users.

Image 2: Danfoss Production Manager Marvin Janzen

**Image source:**

KELCH GmbH | Christian Ahrens

**Press contact:**

Daniela Theil

Phone: +49 (0) 7151 / 205 22 24

E-mail: [Daniela.Theil@kelch.de](mailto:Daniela.Theil@kelch.de)