

September 30, 2026

Press Release**Process heat, straight to the point**

Kendrion broadens its induction product range by introducing the SHS for smaller machines and automated heating applications.

With the new SHS (Small Heating System), Kendrion brings industrial low-temperature induction heating into the power range up to 2 kW. The solution is designed for smaller machines and automated processes, where precise process heat is often generated using slow-reacting or energy-intensive heating systems. Its primary target groups are machine builders and OEMs across the food, packaging, textile, and plastics industries.

Conventional solutions such as cartridge heaters, heating bands, infrared heaters, and gas- or thermal-oil-based systems can quickly reach their limits at lower heating powers. They tend to respond comparatively slowly and often heat surrounding components and the environment in addition to the actual process. This can extend heat-up times and create additional energy losses. Instead, the SHS uses direct induction heating, generating heat directly within the component without contact, reducing heat-up times and enabling more efficient energy use. In certain applications, energy savings of up to 75 percent can be achieved compared to conventional heating methods. An integrated PT1000 input allows the temperature to be recorded directly at the process point. Together with the internal control function, this establishes a closed-loop control system that continuously monitors the temperature and reduces temperature overshoot when processing sensitive materials.

“With the SHS, we are transferring our many years of experience from high-power industrial applications specifically to the heating power range up to 2 kW. Users benefit from the ability to heat even small component structures very quickly and to seamlessly monitor and control the process thanks to integrated temperature monitoring and modern fieldbus connectivity,” says Hauke Ramm, Product Manager Control Technology at Kendrion.

Designed for integration into machine architectures

For machine builders, the effectiveness of a heating solution relies not just on its heating capacity but also on its compatibility with existing automation systems. The SHS runs on a single-phase 230 V power supply and can connect directly to the machine control system through PROFINET, EtherCAT, or CANopen. For applications featuring multiple heating zones, several generators can be connected in a modular setup. Its compact, book-size format allows installation in the control cabinet, with minimal space requirements. The system therefore addresses common heating tasks in the food, packaging, textile, and plastics industries, including cooking and baking tools, sealing stations, and heated rollers and godets.

Technologically, the SHS builds on Kendrion’s existing induction portfolio and more than 50 years of expertise in industrial control, regulation, and heating technology. Kendrion will present the new SHS to a wider professional audience for the first time at SPS in Nuremberg from November 24 to 26, 2026. Visitors can find Kendrion in Hall 4, Booth 418.

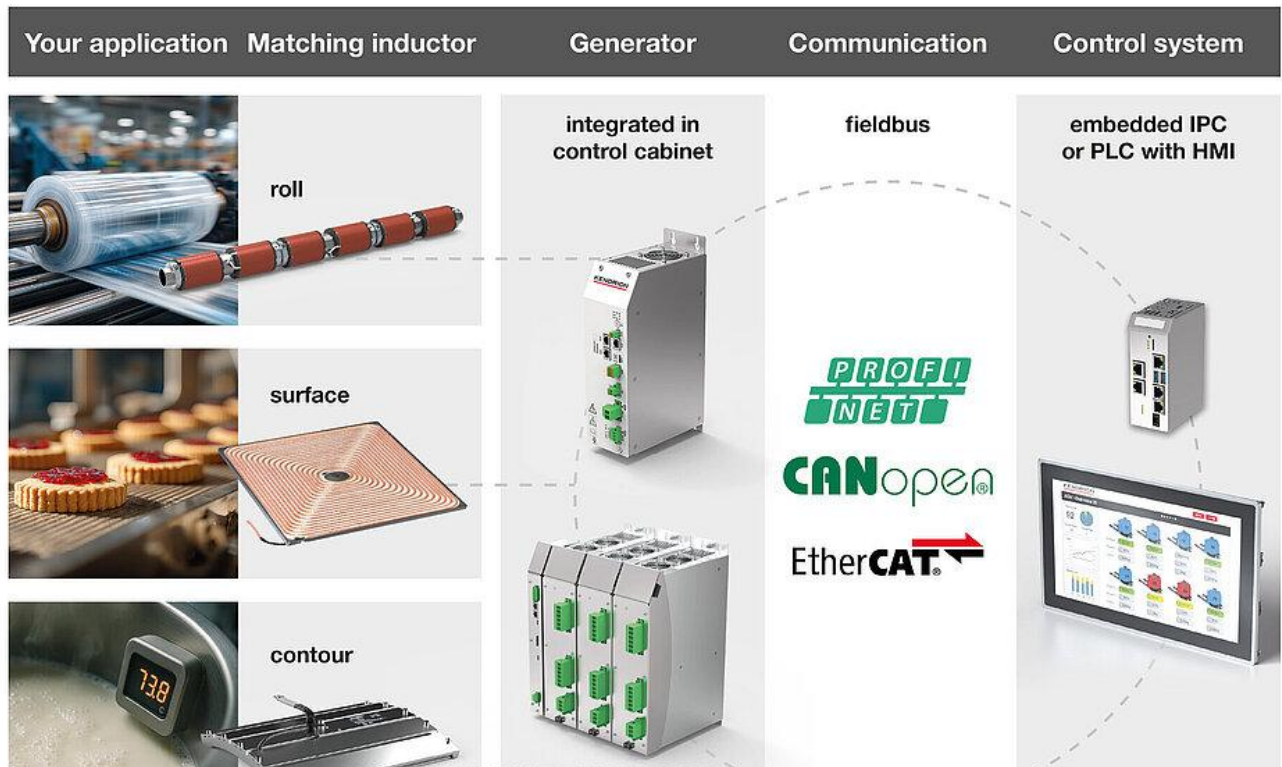
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Images (attachment available with and without branding)



SHS-Food-Application.png: In food processing applications, Kendrion's SHS enables targeted induction heating directly at the process point. The low-temperature induction system delivers up to 2 kW and combines short heat-up times with precise temperature control, making it suitable for applications such as automated cooking and baking processes.

Image: *Kendrion*



Inductive-Heating-System-Overview.jpg: The modular design of Kendrion's induction heating systems combines application-specific inductors with the generator, fieldbus communication and machine control. This enables precise, energy-efficient process heat to be integrated into automated production environments.

Graphic: *Kendrion*



SHS-Induction-Generator.png: Kendrion's compact SHS induction generator is designed for heating outputs of up to 2 kW and space-saving installation in the control cabinet. Via PROFIBUS, EtherCAT, or CANopen, it can be integrated directly into automated machine control systems.

Image: *Kendrion*

About Kendrion**Innovative solutions for tomorrow - built on precision, safety, and motion.**

Kendrion is shaping the future with high-precision brakes, electromagnetic components, fluid technology, control systems, and embedded systems. Our solutions offer precise control, maximum safety, and smooth motion across a wide range of applications – from machinery and robotics to high-end technology, automation, medical and energy sectors, mobility, and process industries.

With a broad portfolio of off-the-shelf products and a project-based approach, we work closely with our customers to deliver customized solutions tailored to their needs. By leveraging our deep technical expertise across multiple technologies and the flexibility to integrate them intelligently, we provide systems that are ready for tomorrow's challenges. Kendrion's deep engineering knowledge and cross-technology capabilities make us a trusted partner for creating innovative and reliable solutions across industries.

Rooted in Germany, headquartered in the Netherlands, and listed on Euronext Amsterdam, Kendrion's expertise spans Europe, the Americas, and Asia. For more than a century, we've engineered precision parts for the world's leading innovators in industrial applications, making us a trusted partner for creating reliable, cutting-edge solutions across industries.

<https://www.kendrion.com/en/>

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Deeplinks:

<https://www.kendrion.com/en/products-services/inductive-heating-systems>

<https://www.kendrion.com/en/products-services/inductive-heating-systems/modular-induction-generators>

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Meta-Title:

SHS: Low-temperature induction heating up to 2 kW | Kendrion

Meta-Description:

Kendrion's SHS brings low-temperature induction heating up to 2 kW to automated processes and can deliver energy savings of up to 75 percent, depending on the application.

Download-Area: www.koehler-partner.de/pressezentrum/kendrion

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