

PRESS INFORMATION

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Up to 6,000 infusion bags per hour at the best price-performance ratio

With the SOLUTIONPERFORMER, Kiefel is introducing a new generation of Form-Fill-Seal for medical and pharmaceutical polyolefin bags

Freilassing. Kiefel, a leading company in thermoforming and joining technology, is launching the new SOLUTIONPERFORMER KFS modular form-fill-seal machine for the medical and pharmaceutical market worldwide. Up to 6,000 infusion, parenteral nutrition or dialysis bags can be formed, filled and sealed fully automatically per hour on the system. The system is available in various formats, from the compact basic version for standard applications to individually configurable solutions.

Modular structure - to flexibly adapt to customer requirements

"With the SOLUTIONPERFORMER we have developed a new generation of a modular and optimally coordinated machine concept," states Thorsten Emge, Global Director Medical & Pharma at Kiefel. "With the best price-performance ratio, it meets the high requirements of our customers in terms of output, efficiency and bag quality."

The KFS line manufactures, fills and seals the bag on a single machine. Depending on the machine configuration and bag size, over 4,500 bags per hour can be equipped and filled fully automatically on the basic version, and even up to 6,000 bags per hour on the most powerful version.

Products are labeled and 100% traceable thanks to the option of printing and checking static and variable data.

High quality guaranteed

Whether tubes or injection-molded port connections, whether single-chamber or multi-chamber bags - there are almost no limits to the design of the bags, which can be customized from 50 to 6000 ml. "Due to its solid construction and process control, the SOLUTIONPERFORMER is designed for the highest possible product quality and product safety," states Thorsten Emge. The filling area of the system is prepared for Cleaning in Place (CIP) and Sterilization in Place (SIP).

The Kiefel system ensures maximum particle reduction, thanks to technologies such as film cleaning, a special tube cutting process and frictionless film guiding. Precision mass flow meters, optional residual oxygen content control and automatic sealing of the infusion, dialysis or nutrition bags ensure maximum output combined with constant quality monitoring.

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Further advantages at a glance

The **intuitive HMI** simplifies machine operation and guides operators step by step through the tool change process in the event of product changes. **Access rights** for users are secured via user ID and password. Machine performance can be monitored at any time via the performance dashboard.

Equipment including track & trace, camera quality control and data transmission to mobile devices is optionally available. Servo motors are used instead of pneumatic drives in all relevant stations, to achieve both **optimum process control** and a reduction in compressed air consumption and therefore **lower energy costs per article produced**.

A fault diagnosis system and an integrated module for **remote access** in the event of a fault round off the equipment. Thorsten Emge adds: "In addition, our **global service team** is of course rapidly available to our customers worldwide as usual for all matters - either on site, by telephone or digitally".

Kiefel will also focus attention on the machine at this year's CPHI in Barcelona and at the Compamed in Düsseldorf.



The SOLUTIONPERFORMER KFS is available both as a "Compact standard design" compact basic version and as a "Customized fully integrated" version for customer-specific special solutions at the best price-performance ratio in each case. © KIEFEL GmbH

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The SOLUTIONPERFORMER KFS is a flexible, modular form-fill-seal system that can produce up to 6,000 single or multi-chamber medical and pharmaceutical bags of the highest quality per hour. © KIEFEL GmbH

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About Kiefel

Kiefel is a market-leader in mechanical engineering and a turnkey solution provider for the medical and pharmaceutical industries. The company supplies well-known customers worldwide with bag production machines, filling systems, form-fill-seal systems, customs systems and HF generators. With over 25 years of experience in filling and more than 50 years of experience in the field of thermal contact and HF-welding, Kiefel has installed more than 9,500 machines and HF generators worldwide.

With its own technology and material centers, the company offers turnkey solutions and provides support in partnership from product development through machines and tools to service.

Kiefel has a global presence thanks to our own sales and service teams in the USA, France, the Netherlands, China, and India, as well as our sales and service partners in more than 60 countries. Kiefel owns the Dutch thermoform toolmaker Kiefel Packaging BV, as well as the Austrian company KIEFEL Packaging GmbH, a supplier of tools and automation solutions.

Kiefel and its subsidiaries employ around 900 staff. KIEFEL GmbH is a member of the Brückner group, based in Siegsdorf, which is a family-owned group of medium-sized enterprises active in machinery and plant engineering with around 2,900 employees at 18 different locations worldwide.

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