

MULTIVAC at COMPAMED (11. – 14.11.2024)

**Sustainable packs for the medical industry:
maximum security with minimum impact on the
environment**

Wolfertschwenden, 26 September 2024 – Exhibiting at COMPAMED 2024 (Hall 8a, Stand H 01), MULTIVAC will be presenting innovative and sustainable packaging solutions to the medical products industry. The heart of the company's presence at the trade fair is a fully automated line for producing medical combi packs, which includes both loading and unloading robots. Various inspection solutions for inspecting the product and print will also be shown on the stand.

Sustainable medical combi packs

The exhibits include a **line that produces medical combi packs** from sustainable mono film. The core of this line is the RX 4.0 thermoforming packaging machine in GMP design, which is equipped with a glass safety enclosure for optimum overview of the process. An integrated SCARA robot is used for the precise and automated loading of the individual products into the preformed pack cavities. Before the upper web is sealed to the lower web, it is printed inline with UDI-compliant data in a multi-colour design by a digital printer. A visual inspection system subsequently inspects the print image on the packs.

Heat-sensitive products are protected during the packaging process by a cooled product shield plate: If the machine comes to a stop, the shield plate is automatically positioned between the hot sealing plate and the product. After the packaging process has been completed, a 6-axis robot separates the packs into good and reject packs, and it places them on various transport conveyors for downstream processing. As a leading supplier of integrated solutions, MULTIVAC now also provides SCARA

and 6-axis robots, which can be integrated seamlessly into the line, as well as its other handling modules.

Thanks to its comprehensive sensor system and continuous process monitoring, the RX 4.0 thermoforming packaging machine offers a high degree of process precision and reproducibility. The RFID-coded dies with permanent status monitoring ensure that format changes are performed reliably, and that the changed dies are positioned correctly on the machine. The whole line can be operated conveniently and intuitively by the user-friendly HMI on the packaging machine.

More flexibility in quality control: Comprehensive solutions for all requirements

“We offer medical companies a wide range of innovative inspection solutions for inspecting the product and print. Depending on the particular task, various components can be used, such as cameras, code readers or sensors. These can either be integrated seamlessly into the packaging machine or labeller, or alternatively be used as stand-alone inspection systems. The result is a solution with perfectly matched components and a uniform operating concept. The resulting high level of integration guarantees efficient and secure processes,” explains Thomas Große, Sales Project Manager at MULTIVAC Marking & Inspection.

Different solutions for a range of inspection tasks will be fully demonstrated on the stand at COMPAMED. Visitors will be able to receive comprehensive advice about the possibilities and capabilities of the individual modules.

Sustainability meets innovation: The medical packaging of tomorrow

“The medical products industry will also come under pressure to establish sustainable packaging solutions. We are able to support this process by offering environmentally-friendly alternatives, and by providing our customers with packaging concepts, which reduce the consumption of materials and resources, or improve the recyclability of

their packs," says Verena Vetter, Corporate Product Manager for Medical & Pharma at MULTIVAC. "Our machines are designed in such a way, that they can run different packaging materials without any problems, and this includes mono films, which are fully recyclable. Working together with our customers in our Corporate Training & Innovation Center, we can develop tailored packaging solutions and concepts, which offer both process reliability and sustainability."

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About the MULTIVAC Group

Packaged expertise, innovative cutting-edge technology and strong brands under one roof: The MULTIVAC Group offers complete solutions for the packaging and processing of food, medical and pharmaceutical products, as well as industrial items – and as the technology leader, it continues to set new benchmarks in the market. For more than 60 years the name MULTIVAC has stood for stability, strong values, innovation and future security, as well as quality and excellent service. Founded in 1961 in the Allgäu region of Germany, the MULTIVAC Group is today a global solutions supplier, which supports small and medium-sized companies, as well as large corporate businesses, in designing their production processes to be efficient and resource-saving. The product portfolio comprises a wide range of packaging technology, automation solutions, labelling and marking equipment, inspection systems and packaging materials. The product range is complemented by practical and customised solutions for food processing - from slicers and portioning machines right up to bakery technology. All the packaging and processing solutions are individually matched to customer requirements in the company's own application and development facilities. Around 7,200 MULTIVAC staff in more than 80 subsidiaries worldwide ensure that the company remains close to its customers, as well as providing the maximum customer satisfaction - from the first project concept right through to after-sales service. Further information at: www.multivac.com

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