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PRESS RELEASE

Highest output, smart automation, measurable quality: Reifenhäuser presents new EVO GEN3 blown film line

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Reifenhäuser presents its new EVO GEN3 generation of blown film lines at K 2025. The technology achieves record outputs of up to 1,050 kg/h with a 350 mm die diameter and combines maximum productivity with smart assistance systems and future-proof connectivity – a decisive competitive advantage for producers in times of global skills shortages.

Up to 30 percent more output – new benchmark in the market

Powerful, smart, digital – Reifenhäuser is presenting its new line generation for the first time at K with these attributes and setting an impressive benchmark in terms of output. The increase of up to 30 percent compared to its predecessor is achieved through the perfect combination of the new Ultra Dies and the most advanced cooling ring on the market – the Ultra Cool GEN3. The new die heads are available in three versions: a 3- and 5-layer version for maximum throughput and fast product changes, a 7-layer version – optimized for barrier films – and a 9-layer version for the highest film quality in complex products. The Ultra Cool GEN3 features a unique IBC (Inner Bubble Cooling) stack and was designed specifically for the new 3 and 5-layer die head, but is also available as an upgrade for existing systems. The investment pays for itself in no time, especially when replacing older cooling rings, thanks to a throughput increase of up to 20 percent.

Marcel Perrevort, CSO of the Reifenhäuser Group, emphasizes: “1,050 kg/h at a die diameter of 350 mm is a real quantum leap. EVO GEN3 brings our customers a massive increase in performance and strengthens their competitive position in the long term.”

Smart automation supports inexperienced operators and beginners

Reifenhäuser understands that performance is not just about higher output. In today's competitive environment, the ease of operation of a blown film line is just as important. The shortage of skilled workers and high employee turnover make it difficult for many manufacturers worldwide to reliably achieve the desired quality and efficiency. EVO GEN3 therefore relies on smart assistance systems that enable even inexperienced line operators or newcomers to achieve perfect results at the touch of a button. These clever helpers are integrated into the completely redesigned HMI “EVO OS 3,” which guides operators to any setting in a maximum of two clicks. Thanks to customizable dashboards and a clear start-up page, it is more intuitive to use than ever before.

Auto Flat offers measurable film flatness

A unique selling point of the EVO GEN3 is the new Auto Flat system. Thanks to the Ultra Flat stretching unit, which is already well established on the market, Reifenhäuser blown film lines deliver particularly flat films that are much easier to further process, thereby saving costs. Among other things, less adhesive and ink are required for laminating and printing, which would otherwise fill the spaces in uneven films. With the new Auto Flat hardware/software solution, Reifenhäuser now makes film flatness measurable for the first time and also simplifies operation: A special sensor continuously measures how flat the film is and determines the optimal settings for the Ultra Flat stretching unit. This enables producers to effortlessly achieve perfectly flat films, making them a sought-after supplier for converters.

Towards automated factories with ReStart Assistant and digitalization

New materials such as PCR or PFAS-free PPAs increase the need for cleaning and screen changes. EVO GEN3 reduces the time required for this to a minimum: The Restart Assistant ensures that the necessary stops and restarts of the system run smoothly, quickly, and accurately. All recipe parameters are set automatically, and even less experienced operators can quickly bring the process back to full capacity.

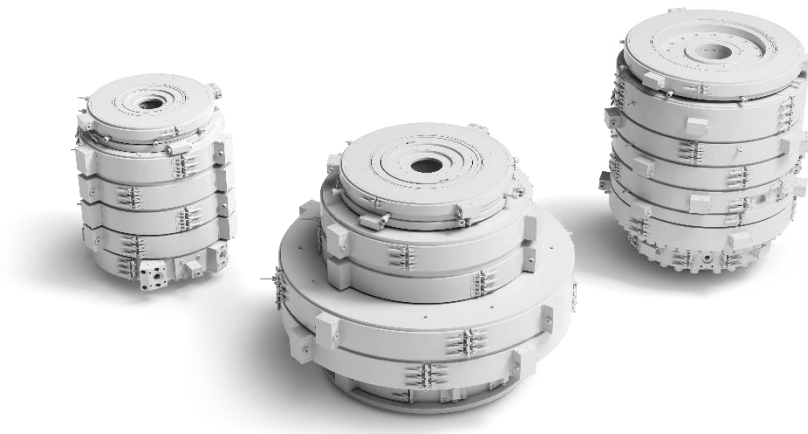
The EVO GEN3 also features a completely redesigned control architecture for maximum connectivity, data analysis capabilities, and cybersecurity – the foundation on which producers can build more digital or even fully automated manufacturing in the future. The integration of AI-supported Reifenhäuser NEXT solutions will play a crucial role here, offering completely new possibilities in line operation – including the use of a highly specialized chatbot*.

** For details on Reifenhäuser NEXT, please refer to the separate press release.*

“We are very much looking forward to presenting the new generation,” explains Marcel Perrevort. “With EVO GEN3, we are delivering a complete package of throughput, quality, and automation that offers overall equipment effectiveness (OEE) unmatched in the market.”



Powerful, smart, digital – with the EVO GEN3, Reifenhäuser presents a completely new generation of blown film lines that deliver a record output of 1,050 kg/h with a die diameter of 350 mm.



The new Ultra Dies from Reifenhäuser are available in three versions: a 3- and 5-layer version for maximum throughput, a 7-layer version optimized for barrier films, and a 9-layer version for the highest film quality in complex products.

Picture credits: Reifenhäuser

About the Reifenhäuser Group

The Reifenhäuser Group together with its highly specialized business units is the leading provider of innovative technologies and components for plastics extrusion. Founded in 1911, the company is a global supplier of high-tech solutions. With its technologies and the know-how of its 1,500 employees, Reifenhäuser has the world's largest network of expertise in plastics extrusion technologies. The CEO of the Group is Bernd Reifenhäuser.
