



Media Release

Schaffhausen

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Redefine tomorrow: GF Piping Systems introduces the new IR-63 M fusion machine for optimized infrared welded pipe connections

On the heels of 32 years of infrared (IR) fusion development, GF Piping Systems introduces the IR-63 M, a new IR welding machine that maintains established technology while integrating new hardware and software features for faster, more convenient, and more efficient welding.

Thanks to a machine-controlled process, IR fusion machines ensure contact-free and high-quality welds in sectors such as chemical processing, microelectronics, or water treatment where a long-lasting and safe operation is crucial. With the IR-63 M, Swiss flow solutions provider GF Piping Systems set out to further simplify and expedite the welding process for materials such as PVDF, ECTFE, PP-H, PP-n, PE or PVC-U. The updates have resulted in 20% shorter preparation times, 30% fewer installation steps, and 50% shorter cooling times.

The IR-63 M enhances the user experience with both hardware and software improvements. The machine features a 7" touchscreen protected by safety glass, offering intuitive navigation and multilingual instructions for a streamlined user experience. Moreover, an integrated Connectivity Box facilitates access to GF Piping Systems' cloud service CONNECT Welding Data, enabling the seamless transfer of welding protocols and documentation.

GF Piping Systems has also improved the operational experience with extensive hardware updates for more flexibility and precision: The IR-63 M features an optimized clamping unit and a patented adjustable pipe stop, both with angle markings for increased precision and user friendliness. The machine also comes with an updated facer concept and redesigned tube drive which allows flanged components to be welded on both sides of the machine. Joining complex projects, whether at the workstation or directly at the installation site, is further simplified by the option of remote welding.

Simon Worni, Head of Global Product Management Systems at GF Piping Systems, comments the launch: "Our aim is to redefine tomorrow by combining cutting-edge technology with unparalleled accessibility. With the IR-63 M, we maintain the simplicity, robustness, and compactness of our existing machine while integrating the latest advancements to deliver an enhanced customer experience. The comprehensive improvements – which cover everything from the fusion machine's design to innovative user guidance and connectivity – not only make infrared fusion more user-friendly but have also resulted in a faster and more efficient fusion process." Since pioneering contact-free IR fusion technology in 1992, GF Piping Systems has remained at the forefront of innovation. The IR-63 M builds upon this legacy, ushering in a new era of precision and efficiency in infrared welding.

Find out more about the IR-63 M fusion machine [here](#).

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GF Piping Systems

As the leading flow solutions provider for the safe and sustainable transport of fluids, GF Piping Systems creates connections for life. The division focuses on industry-leading leak-free piping solutions for numerous demanding end-market segments. Its strong focus on customer-centricity and innovation is reflected by its global sales, service, and manufacturing footprint and its award-winning portfolio, including fittings, valves, pipes, automation, fabrication, and joining technologies.

GF Piping Systems has its own sales companies in 31 countries, which means it is always by its customers' side. Production sites in 36 locations in America, Europe, and Asia ensure sufficient availability and quick, reliable delivery. In 2022, GF Piping Systems generated sales of CHF 2'160 million and employed 8'085 people. GF Piping Systems is a division of Georg Fischer AG, founded in 1802 and headquartered in Schaffhausen, Switzerland.

Pictures

	<p>The IR-63 M fusion machine for optimized infrared welded pipe connections.</p> <p>Source: GF Piping Systems</p>
	<p>Inspection of a weld bead welded with the IR-63 M.</p> <p>Source: GF Piping Systems</p>