

Sustainable innovation advanced by **DIEFFE MACCHINE** team-up with **EDL GLASS**

Italy's **DIEFFE MACCHINE** has partnered with **EDL GLASS** to implement a cutting-edge, flocculant-free water treatment system for glass grinding. Combining sustainability, precision and innovation, the collaboration reduces environmental impact while enhancing production efficiency - setting a new benchmark for responsible, high-quality manufacturing in the global glass industry.

PIONEERING SUSTAINABLE PRECISION

Innovation, sustainability, and production quality: these are the cornerstones of the new partnership between EDL Glass, a forward-thinking player in flat glass processing and Dieffe Macchine S.r.l., an Italian specialist with over two decades of expertise in water treatment systems for flat glass grinding. In a field where surface precision and process con-

sistency define competitive advantage, EDL Glass has made a decisive move by adopting Dieffe's natural, flocculant-free water treatment system - purpose-built for the rigorous demands of modern glass grinding. "After many years in the industry, including my time at Glas Trösch, I can confidently say that choosing this system is a strategic step to ensure consistency, efficiency and quality in our production process," said Oleg Svetlichnyy, Production Director at EDL





Glass. The Dieffe system stands out for its closed-loop water recycling and filtration technology that eliminates the need for chemical flocculants. This brings a dual advantage: a markedly lower environmental footprint and improved process stability, since glass surfaces remain free from residues or micro-contaminants typically introduced by chemical additives. The result is not only cleaner production but also a higher standard of finish and dimensional precision - aligning with the increasingly stringent expectations of global customers.

ENGINEERING COLLABORATION FOR A CHANGING INDUSTRY

The collaboration between EDL and Dieffe Macchine represents a benchmark in technological and sustainable integration, aligning with both current market trends and evolving European environmental regulations. "The significance of this project goes beyond machinery," remarked Stefano Bonato, Sales Manager at Dieffe Macchine, who visited EDL's facility alongside Gianluca Damelico, Techni-

cal Manager and Co-Owner of Dieffe. "EDL built an entirely new plant from the ground up in Transcarpathia - the safest region in Ukraine, yet still within a country at war. Their decision to invest in advanced, environmentally-responsible technology under such conditions is a testament to both courage and vision." EDL's new plant integrates state-of-the-art European glass processing equipment and the selection of Dieffe's system underscores a shared commitment to long-term sustainability and operational reliability. The installed solution handles nearly 2,000 litres per minute (120 m³/h), ensuring uninterrupted water circulation across multiple grinding

lines. When initial challenges arose - such as the inability to construct a complete network of water return channels due to the facility's vast size- Dieffe's engineers collaborated closely with EDL to design a bespoke return solution. This adaptation not only resolved the logistical issue but also enhanced the system's energy efficiency and hydraulic performance, while significantly reducing construction costs.

A MODEL FOR THE FUTURE OF GLASS PROCESSING

With more than 20 years of experience, Dieffe Macchine continues to serve as a reference point for glass manufacturers seeking to

enhance productivity while reducing environmental impact. Its collaboration with EDL Glass exemplifies a new generation of partnerships - where technological excellence, sustainability and resilience converge to define the future of industrial glass grinding. In an era when every drop of water and every kilowatt of energy counts, EDL's choice sends a clear message: responsible innovation is not just an ethical imperative, but a strategic advantage - and Dieffe Macchine is helping lead the way.



Via Molino, 41
31057 - Silea - TV - ITALY
Tel.: +39 0422 1340856
info@dieffemacchine.it
www.dieffemacchine.it



vul. Aleksii, 10
Svaliava, Zakarpattia Oblast
89300, Ukraine.
Tel.: +380 (67) 334 88 88.
info@edl-glass.com
www.edl-glass.com