

INDUSTRY EVOLUTION

ILS EVO unveils **LUBEN GLASS'** next-level lubrication precision

A cutting edge lubrication solution that enhances precision, reliability and operational control for glass manufacturers, the ILS EVO system from LUBEN reduces oil waste, prevents downtime, enables real-time monitoring and supports multiple lubricant types – all whilst redefining efficiency standards and strengthening plant performance across diverse production environments.

**OPTIMISATION**

Driven by the ambition to offer glassmakers a solution capable of further optimising and rationalising oil distribution for mechanism lubrication, Luben Glass' engineering department has refined the ILS lubrication unit, giving rise to the

new Evo version - an even more functional and high-performing product than current lubrication systems available on the market. Indeed, existing lubrication units often fail to ensure a rational and efficient management of oil delivery to the injectors. As a result, the mechanisms of IS

machines may not receive the correct amount of oil, leading either to excessive lubrication, with unnecessary waste of material and money, or to insufficient lubrication, which can cause component seizure and costly downtime. Moreover, only a few control units can effectively sig-





nal operating alarms, and none can offer the same level of precision and real-time operational monitoring as the ILS EVO, which stands out as a new benchmark for reliability, performance and process control. ILS EVO is the new benchmark in intelligent lubrication for the glass industry.

ARCHITECTURE

Designed to work with multiple types of oil simultaneously, the system equips each oil circuit with two pumps - one for continuous operation and one backup to guarantee maximum reliability and zero downtime. Thanks to a patented automatic switching system, the pumps alternate autonomously with no need for electrical or hydraulic intervention. This unique technology eliminates the need to use the operating pump to depressurise the line, making ILS EVO truly one of a kind in its category. The ILS EVO system incorporates a comprehensive set of technical features

designed to optimise lubrication processes and enhance system reliability. The integrated touchscreen HMI provides an intuitive platform for configuring and managing all operational parameters, enabling precise control and rapid adjustments during plant operation. The system architecture contributes to a marked reduction in operating costs and oil consumption, improving overall process efficiency.

VERSATILITY

Its capability to handle two or three different lubricant types simultaneously ensures high operational versatility, allowing adaptation to diverse production requirements. ILS EVO features advanced diagnostic and monitoring tools, including remote alarm management, which ensure real-time supervision of system performance and immediate identification of anomalies. The unit offers detailed consumption tracking for each lubrication point, with full historical data logs that support predictive maintenance and process optimisation.

INTEGRATION

Through Real Operative Line Monitoring, the system provides real-time status visualisation for each lubrication line, supporting precise functional control. Full compatibility with fire-prevention systems enables seamless integration into the plant's safety infrastructure. Synchronisation with the IS machine ensures accurate coordination between lubrication cycles and production phases. The latest installation, due to go live this January as part of a major furnace refurbishment project where Luben Glass plays a central role. This milestone further reinforces ILS EVO as the trusted choice for high-performance lubrication in the glass industry. ■



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