

# Condat's lubrication solutions

Glass lubrication company Condat will highlight its sustainable products at this year's Glasstec as well as celebrate an anniversary. Victor Gardel\* reports.

Condat is a provider of lubricants which focus on operator health and environmental sustainability across various application fields.

To this end, it has established Lubriscore to offer customers better visibility on its eco-designed products.

Lubriscore is a self-evaluation method that rates products based on life cycle criteria such as raw materials and design, production, transport and end of life.

Providing safe, high-performance and low-impact products is the driving force behind Condat's approach. Currently, 28% of its raw materials are sourced from renewable resources, enabling the production of lubricants without petroleum basic constituents.

Condat also places emphasis on its overall impact. Decarbonising its industrial sites has been on its roadmap since 2021. It has avoided 3,860 tonnes of CO<sub>2</sub> emissions in the past three years.

As a result, Condat has been awarded the Platinum medal for its Corporate Social Responsibility (CSR) by EcoVadis in 2021 and was renewed in 2023. This result places Condat among the Top 1% of the best rated companies in the world.

## Glass industry

Condat offers products with minimal environmental impact without compromising on performance and productivity.

The company also provides advice on implementing lubrication solutions tailored to each glassmaking plant.

Condat aims to help glass producers consume less while achieving better results. The Condat team conduct on-site assessments to reduce total glass process costs, enhance productivity, and maximise lubricant effectiveness, encouraging consuming the right quantity of lubricants.

Below are examples of how Condat's lubricants serve the glass industry:

### Embracing sustainability

Graphite has long been a key component in swabbing grease formulations due to its performance. Its origins can be natural



(mining ore) or synthetic (full chemical process).

However, it can cause defects such as dirtiness and buildup in glassmaking. To address this, Condat offers lower-graphited and non-graphite swabbing greases, providing a cleaner working environment and reducing graphite use.

These greases not only replace graphite but also offer technical benefits such as increased thermal resistance, extending swabbing frequency by three to five times, and improve operator safety.

Additionally, Condat's non graphite swabbing solutions are made from renewable vegetable-based and recycled refined oils. They have high flash points to limit fire risk and ensure equipment and co-worker safety, with safety data sheets free of hazardous pictograms.

### IS machines fluids

Condat's Glass HTS 250 is a 100% synthetic oil for central lubrication of IS machines, approved by both glass plants and IS machine OEMs.

It has benefits such as low evaporation, high thermal stability, low oxidation and lubricating properties.

This lubricant reduces consumption by up to 50% compared to standard mineral oils and is free of heavy metals, chlorine, and solvents, further minimising fire risks and maintenance costs.

This product is available with a fluorescent dye that reflects easily under UV light.

This allows maintenance to detect machine leaks quickly and consequently lower lubricant consumption.

### Swabbing greases for glass robots

The best waste is no waste. Using the right quantity of lubricant while maintaining high performance is a major issue at Condat. Equipment like Microdose helps save 50% on consumables by ensuring reliable and constant dilution.

Sprayable Condaglass swabbing greases reduce product use by seven times and eliminate manual operations, increasing productivity by 4%.

## Summary

Condat's lubricating solutions aim to reduce the industry's carbon footprint by promoting responsible consumption and eco-use.

The company supports the container glass industry, with around 200 customers globally relying on its solutions for productivity and safety.

Condat addresses many aspects of the glass production process, offering solutions for shears, scoops, deliveries, moulds and IS machine mechanisms.

For the glass industry, Condat is also committed to shortening transportation delays, reducing carbon footprints and investing in local companies. ■

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