

LUBEN GLASS

The evolution of lubrication
with the ILS evo independent
lubrication unit



IS machines require rational and efficient management of oil distribution, which often results in wasted material when the oil is too much, or in seizure of mechanisms when it is not enough. Luben Glass has been studying this problem and is now introducing the ILS evo – a more functional and performing product.

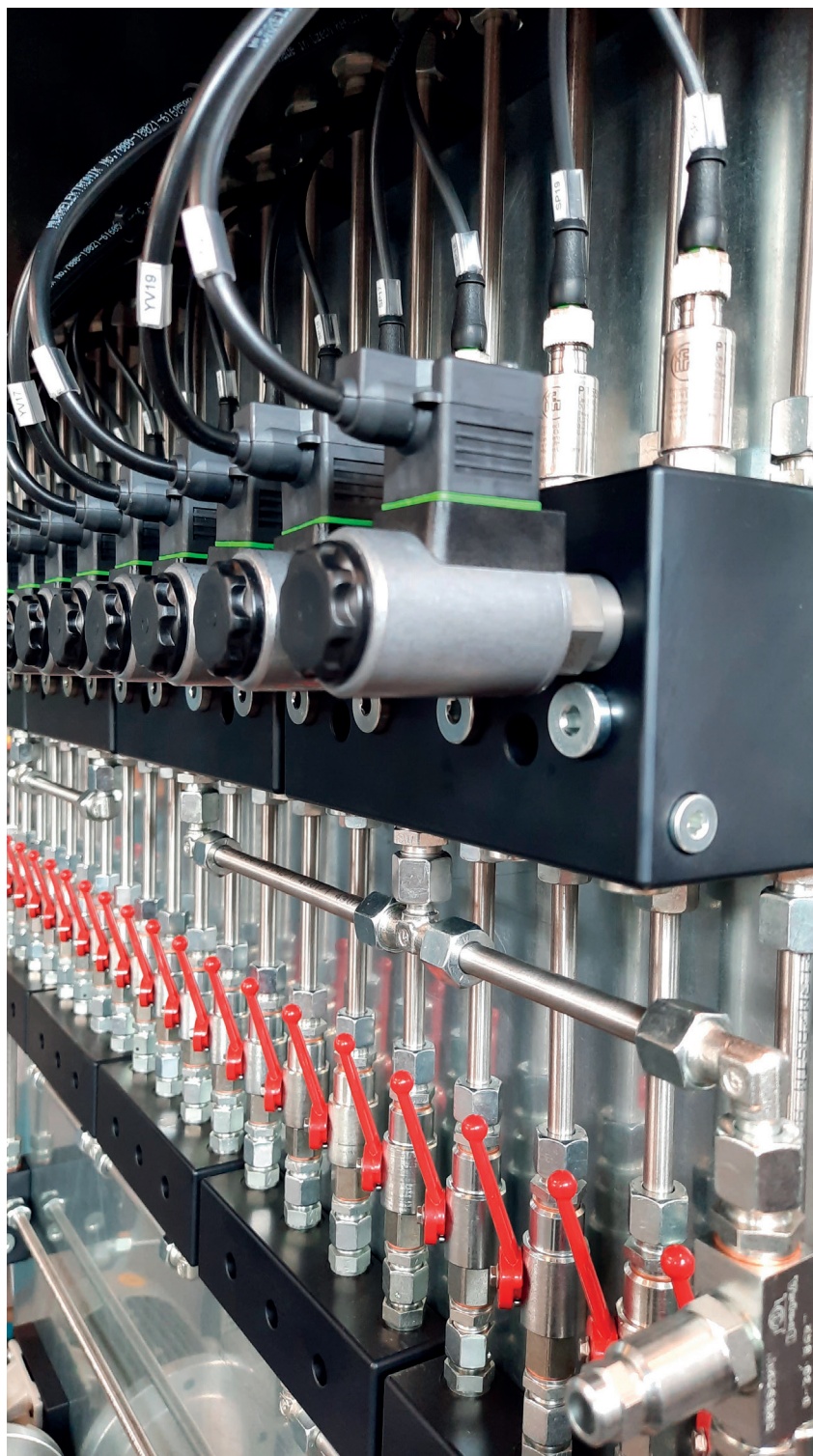
The ambition of offering glassmakers a product that would allow them to further optimize and rationalize the distribution of oil for the lubrication of the mechanisms has led the engineering department of Luben Glass to perfect the ILS lubrication unit, resulting in the 'evo' version, a more functional and performing product than the lubrication systems currently on the market.

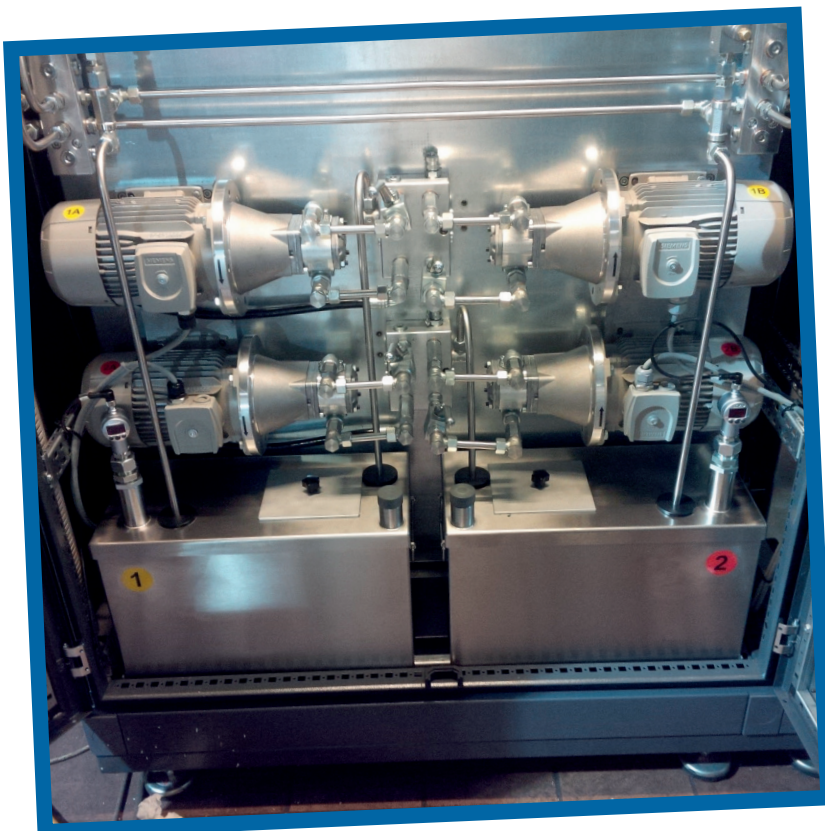
In fact, not all existing lubrication units allow a rational and efficient management of the oil distribution to the injectors: often the mechanisms of the IS machines do not receive the correct quantity of oil which is therefore either too much (wasting material and money) or too little (with consequent seizure of the mechanisms). Furthermore, very few control units are able to signal operating alarms and none is able to provide such precise and immediate operation monitoring as the ILS evo.

TWENTY LUBRICATION LINES

ILS evo, which allows to have 20 lubrication lines in only 120cm in width, is an independent line lubrication unit that allows 'N' lines to be pressurized at different times through the use of only one pump.

Flow time adjustment is specific for each line, and it is therefore possible to provide the correct lubrication frequency in many points of the production line (such as plunger, stacker, feeder, etc.) without any difficulty.





In the event of a fault, the system carries out a self-diagnosis to identify the faulty line and, if necessary, in addition to reporting the problem, it is able to make it safe until it is restored, without stopping the operation of the other lines.

SIGNIFICANT ADVANTAGES

ILS Evo is configured to work with two or more different oils at the same time and, for each oil, two pumps are installed: one for running and the other for backup. Thanks to a specific patented system, the pumps alternate their operation automatically and autonomously without the operator having to intervene hydraulically or electrically. This feature is achieved thanks to the fact that the pump in operation is not used to discharge the pressure of the line – which makes the ILS evo quite unique of its kind.

Main advantages:

- management and configuration of the optimal operation parameters using a large

- touchscreen;
- significant reduction of operating costs and of oil consumption;
- use of two or three different oils also simultaneously;
- the backup pump is always ready for operation;
- monitoring and reporting of the machine status/alarms (remote alarm management);
- monitoring of consumption for each unit (management and control of consumption) with history of consumption;
- real Operative Line Monitoring for monitoring the status of the lines;
- interface with fire prevention

system;

- lubrication line synchronization with direct association to the production line (IS machine);
- continuous monitoring of the lubrication line and injector status.

Luben Glass has numerous units installed in Europe and, the most recent one will be launched by June in Seville, Spain, in a furnace refurbishment project that sees Luben Glass among the main players. ■



LUBEN GLASS SRL

Via Meucci, 23
26010 Offanengo (CR) - Italy
Tel.: +39-0373-244396
Fax: +39-0373-244401
E-mail: info@lubenglass.it
www.lubenglass.eu

