

SERVOBOTTLE, LESS IS MORE

Less consumption and fewer emissions, more decoration options thanks to the new Hot-Printing Station



When it launched the Servobottle screen-printing machine, OMSO's goal was to create a new generation of servo-assisted screen-printing machines with unprecedented printing precision

and reliability. The technical solutions adopted made it possible to achieve the set objectives and proved to be successful even in other aspects that are now more important than ever.

Reduction of consumption and less environmental impact



The high-efficiency Torque motor makes the Servobottle machine both powerful and reliable. This type of component, together with the high-

efficiency brushless stepper motors, in addition to ensuring a fast and stable production, optimizes consumption.

But the true turning point in terms of consumption and energy saving is the adoption of LED lamps replacing mercury-vapor lamps. With the same drying efficiency, the reduction in consumption is very high and today the study carried out with the UNIMORE University proves it.

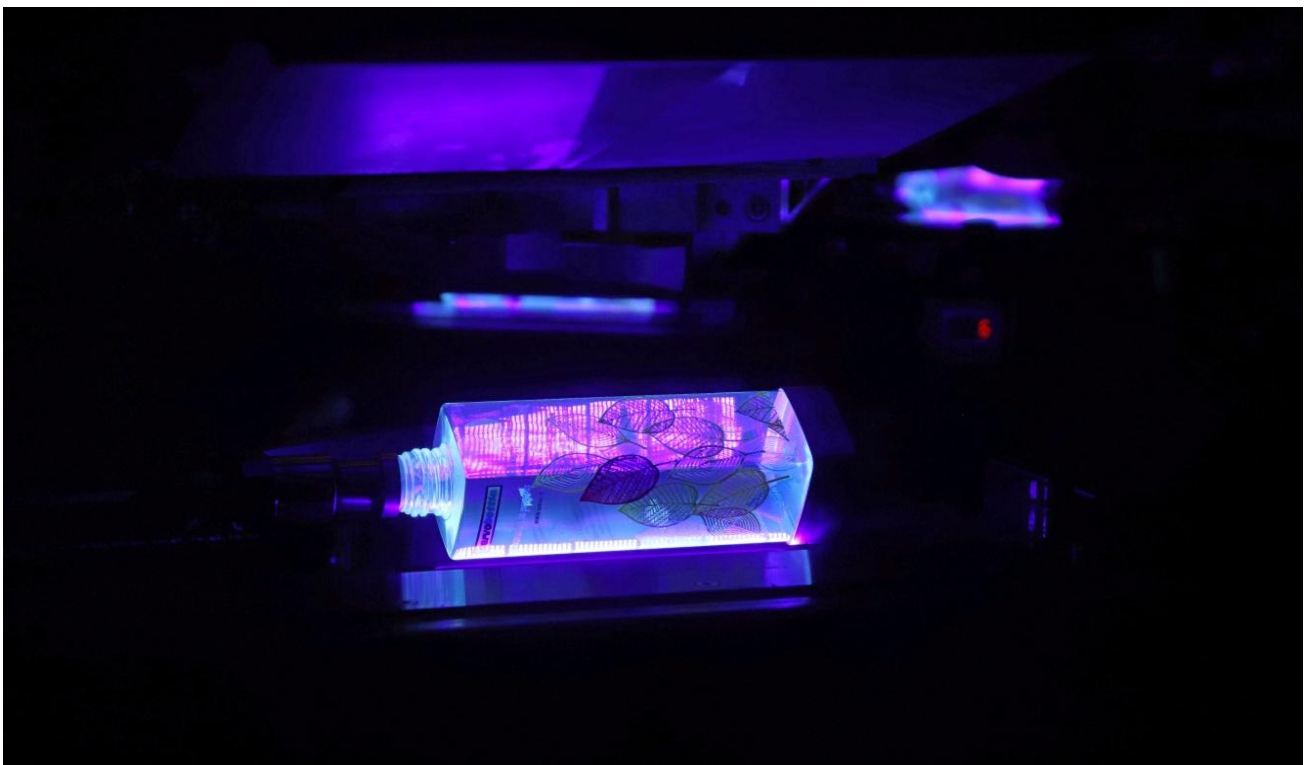
At the beginning of 2022, OMSO carried out a study in collaboration with the Design and Management Laboratory of Industrial Plants of the UNIMORE University (University of Modena and Reggio) belonging to the Department of Engineering Sciences and Methods (DISMI), that certified the reduction of energy consumption of the machine in the various configurations and conditions of use.

The data that emerged is extremely interesting. We are talking about a 70% lower consumption

compared to machines that mount mercury-vapor lamps, with an 80% reduction of CO₂ released into the environment.

Significant data worthy of analysis and appreciation. This is why the machine management software provides a dedicated page that calculates the tons of CO₂ for each production that are not going to be released into the environment.

But the energy and emissions savings are not the only important aspects in terms of environmental impact. Another aspect not to be overlooked is the average lifespan of LED lamps, which exceeds the lifespan of traditional lamps by approximately 20 times. They do not require bulb changes and the disposal of LED lamps at the end of their life is significantly less impactful than mercury-vapor lamps.



Servobottle, increasingly versatile and modular

Servobottle's market success is confirmed by the over 60 units installed worldwide. The vast distribution has allowed OMSO, thanks to its 70 years of experience in the sector, to meet the most varied industrial companies, laying the foundations for the new Servobottle Upgrade.



At the K2022 trade fair in Dusseldorf, the reference fair for rubber and plastic processing, OMSO will present the new hot-printing station for Servobottle, perfectly interchangeable with a screen-printing station, also compatible with the machines already installed.

Its operation is fully integrated into the management software and the operator will find the section dedicated to the hot-printing station in the same work interface, with the same style and usability of the machine interface.

This application will allow the machine to satisfy all decoration needs, from the most classic and refined to the most innovative and creative.



The addition of gold and silver to the already large number of colours available (up to 9 for the Servobottle model and up to 5 for the Servobottle8 model) will give the printed product a prestigious and refined look. Indispensable features in the Luxury world and more and more requested even in creative and innovative decorations.

The integration of hot printing effectively summarizes an entire decoration line in a single machine. Reducing the possibility of errors in the handling of the product and waste of material, with clear savings in terms of space and costs.

Having all kinds of processing in a single machine will allow every industrial company to provide high-quality decorations, accessing new market segments.