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### **Symach - new UVA-LEDtronic technology can dry 1st coat in 20 seconds and 2nd coat in 40 seconds**

Symach has developed a new UVA-LEDtronic technology for drying and curing UV coating products. It is a new and unique technology, more powerful and with low energy consumption - only 90 W - and more than double drying speed compared to the most known systems, said Symach.

Symach's UV-LEDtronic is currently available in a portable lamp version (UVA-LEDtronic M1) that covers an area of 50 cm, or in the Flydry robotic version, available in a FlyDry Hybrid model with IR-Drytronic + UV-LEDtronic technology or in a UV-LEDtronic-only version, FlyDry LEDtronic.

The LED-tronic technology is the result of research by Symach's R&D division, from the study of the right wavelength for the new generation UV coatings, to the LEDs used, to the mechanical design of the product and finally the performances obtained, are the result of over 18 months of work that led to having a result with top-level performances, overcoming the barriers and the limits that until now have hindered the spread of this technology.

The LEDs used are of different wavelengths all in the UV-A segment, these are assembled along a line of reflectors studied and designed to achieve the fastest and most efficient drying result on the market, said Symach.

The LEDs are controlled by an electronic board with a temperature control device that close the electric power in the event of the device overheating due to prolonged and continuous use of it. The LEDs are installed on an aluminium support equipped with a heat sink, allowing prolonged use of the lamp also for drying several car panels in sequence.

To dry the UV coating product (body filler, primer, clear) refer to the instructions of your paint producer.

For the most common UV products the exposure time is about 30/40 seconds, the exposure time is also proportional to the type and thickness of the sprayed product. However, it is enough to pass regularly on the sprayed product at a distance of 5 to 10 cm. (2 " to 4") for a few seconds to obtain perfect drying, said Symach.

It is possible to use the UV lamp even between first and second coat, this will allow a greater speed of execution and a greater safety of drying in the case of paint application in excess of thickness.

The LED UV-tronic lamp has a radiation surface of 50 cm. (20 "), thanks to the particular shape and size it is possible to dry small and large surfaces such as one or more car panels.

Symach's LED story began three years ago when the company developed the first LED light technology PowerLED, but the exclusive development on UV technology began in 2017. Symach's R&D division, especially the Ingenier Fabio Francesconi, researched with a team of two lighting experts how to create a UV technology with low environmental impact, fast and efficient in drying of UV coatings.

