

Press Release

Head of Hönle Group

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The new LED Powerline LC HV

LED Curing at its Best

With the development of the LED Powerline LC HV, Hönle has succeeded in finding a solution for the most important requirements for drying processes in the printing and coating sector: the LED curing device works quickly, highly efficiently and can be used variably.

Hönle LED-UV curing devices are used both for pinning and for the final curing of printing inks and varnishes – in practically every printing process, but also for web-based and 3D coatings. The advantage: LED-UV can be used on a wide variety of substrates, including and especially those that can only withstand low temperatures, such as films.

The new water-cooled LED Powerline LC HV is supplied with a voltage of 400 V DC, which enables the use of thin cables suitable for drag chains. The LED system achieves very high intensities of up to 25,000 mW/cm². This guarantees reliable and rapid curing, which leads to an increase in machine throughput times and thus an increased productivity. The length of the device can be modularly adapted to the application.

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In addition, the LED Powerline LC HV has the option of a very variable format switch-off: not only can the outer LED segments be switched on and off as desired, but individual segments within the irradiation area can also be controlled. This allows the printer to only expose exactly the areas necessary to produce the desired effect, which ensures energy savings. If desired, the LED module can also be pressurized to prevent paint dust from settling in the system. This forestalls machine failures and saves maintenance costs.