

Quality Control in Continuous Operation

Searching for a UV solution „that lasts“, the electronics protection service provider comes across DIANA on the Internet. „Finally someone who took the time to develop a customized solution for us,“ remembers Coating Visions Managing Director Tobias Grimm. Already for a long time, the company from Rottweil was looking after a UV solution to do the quality inspection of protective coatings and lacquers, which can withstand a 40-hour per week continuous operation.

Coating Visions: The electronic protection specialist from Rottweil convinces in coating.

Coating Visions specializes in protective lacquering, coating and potting of electronic components. Wherever electronics must withstand strong environmental influences, such as in the automotive or pharmaceutical industries, these protective measures are indispensable. By applying a protective layer, the printed circuit boards are shielded from moisture, mechanical stress, vibrations, dirt, harmful gases, salt mist or acids. The result: Increased quality, extended service life and higher reliability.

From production to packaging: Quality control with UV light during the entire process.

Coating Visions subjects all production steps from coating line to shipping to a visual inspection. Since the used coating material

contains a fluorescent UV trace, the quality of the protective layer can be optimally checked by an UV light with a wavelength of 365 nm. „In the past, we have used a wide variety of lamps – from very inexpensive to highly expensive,“ reports Managing Director Tobias Grimm. „The problem was the same for all of them: the lights were defective within a few weeks or had severe losses of luminosity. We simply could not find any UV light sources that were designed for a working day with several hours of continuous operation.

Wanted: Glare-free, robust, solvent-resistant and durable UV light!

Stanislaw Held, Production Manager at Coating Visions, came across DIANA lights while surfing the Internet. The first contact was quickly established and an appointment was made.

„The handling of our inquiry was highly professional. DIANA looked after us perfectly and took the time to get to know our company in order to develop a lighting solution customized to our needs,“ remembers Tobias Grimm. „The requirement profile corresponded exactly to our P64 task light - but with UV LEDs,“ explains Valentina Ester, DIANA’s Sales Manager. „The light had never been equipped with UV LEDs before, but with the experience gained from countless UV projects we quickly knew that there will be no problems with this type of light switching to UV LEDs“. No sooner said than done: The first sample light was built, tested and found to be good.

Since then, the UV lights from DIANA have been in continuous use. According to managing director Tobias Grimm, it is „definitely the best lighting solution we have ever had in our house! Only with optimally equipped workplaces our employees can achieve perfect production results! By the longer life span also the higher costs relativize themselves in the comparison to the so far used competitive products from different online shops!“

„Grade A“

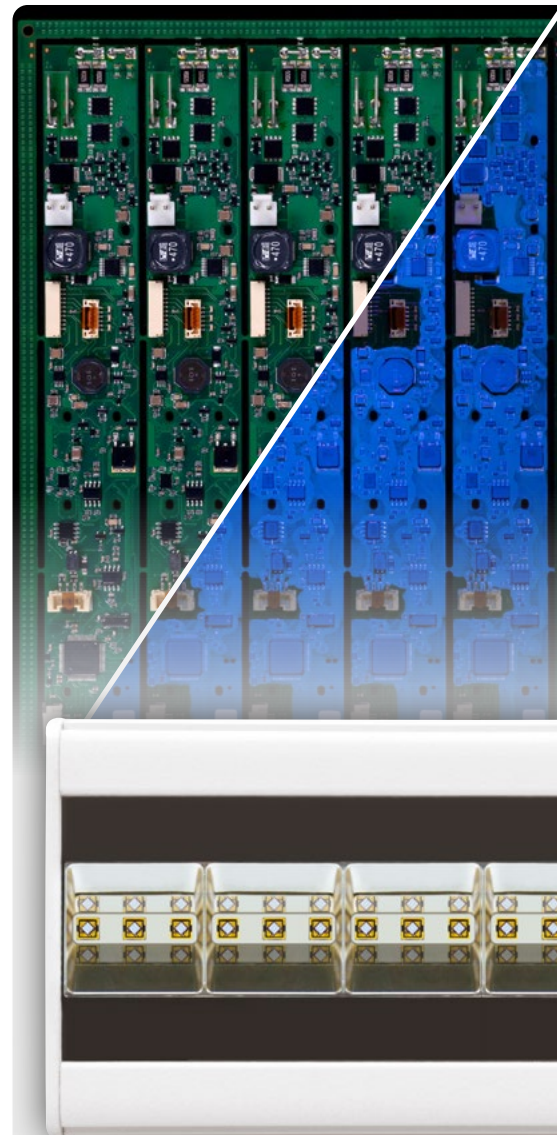
Tobias Grimm, Managing Director of Coating Visions, about the cooperation with DIANA

„At workplaces that require permanent UV lighting, increased exposure to solvent vapors usually occurs. This usually does not please the LEDs and has a negative effect on their service life. That’s why we monitor the lights used at Coating Visions very closely,“ explains Martin Weller, Head of Research and Development at DIANA. „The next generation of the P64 UV is already underway and will further optimize durability!“

„It is important to us not just to sell a light. You have to understand the area of application in detail in order to find an optimal solution for the customer“. says Valentina Ester. „We can choose from a wide range of standardized components and modules. This enables us to make individual adjustments even with relatively small quantities and to find a solution that is still economically viable“.

Even good solutions can be even better!

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The protective coating of printed circuit boards only becomes visible under the UV light of the workplace lighting. The Task Light P64 UV convinces during visual quality control with excellent light quality and a long life!

