



UV-SYSTEM COMPONENTS





UV-SYSTEM COMPONENTS | MADE IN GERMANY

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uv-technik Speziallampen GmbH

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THE COMPANY

Your Specialist for UV- and Infrared technology



headquarter of uv-technik Speziallampen GmbH in Ilmenau, Thuringia (Germany)

uv-technik Speziallampen GmbH is your efficient partner in the areas of UV disinfection, UV curing, UV measurement and IR drying.

Above all, our aim is to understand the requirements of your market environment comprehensively and to offer you the most optimal solution. With this aim and focus on sustainability, we establish close cooperation with industrial partners as well as universities and technical colleges all over the world.

As an experienced expert in UV and infrared technology, we offer you a constantly growing range of innovative components. In addition to UV and IR emitters, we offer efficient ballasts, waterproof immersion systems and long-lasting UV measurement technology.

Since January 2011 uv-technik Speziallampen GmbH is owned by Höhle Group and today uses the numerous synergies in the field of industrial UV technology.

Today the company employs well over 100 people.

HISTORY

1991

foundation of today's uv-technik Speziallampen GmbH as part of uv-technik meyer gmbh

2000

Inauguration of a second production hall at the site Wolfsberg

1998

transformation of operational part into today's uv-technik Speziallampen GmbH

2008

Merger with IR-Speziallampen GmbH | Acquisition of UV-Systec division

30 YEARS OF EXPERIENCE AND INNOVATION



2011

Takeover of uv-technik Speziallampen GmbH by Dr. Hönle AG | Sale of the business area UV-Systec

2020

Merger of uv-technik meyer gmbh and uv-technik Speziallampen GmbH | Merger of Aladin GmbH with uv-technik Speziallampen GmbH | Integration of subsidiary uv-technik international ltd

2019

Expansion of production area

2021

Successful certification according to DIN EN ISO 9001 and 14001

GUARANTEE OF SUCCESS



FLEXIBLE AND VERSATILE

The key to our success is constant further development

As part of our product development, every component is subjected to extensive tests. Intensive material tests and radiation-physical examinations are completed to ensure quality products.

In order to have the latest standards at all times and also in the future uv-technik Speziallampen GmbH keeps its extensive measuring equipment and testing facilities up to date.

For individual customer tests, water reactors, circulation systems and ventilation systems are available.

To determine the emitter power exactly, a radiation flux measurement in the company's own dark room or in one of the numerous radiation chambers are available.

QUALITY AND SUSTAINABILITY

Individual customer solutions are our standard

This applies to the specification, the development and the production of our products. We have been your reliable partner for over 30 years in a world-wide variety of industries.

Since then, our company has been aware of its responsibility and pays special attention to the best quality and a sustainable positive direction.

This is proven not least by the certifications acc. to DIN EN ISO 9001 and 14001.



INDIVIDUAL IS OUR STANDARD



PURITY

Quartz glass products in top quality

High-quality quartz glass forms the basis for first-class UV lamps and protective sleeves. In the manufacture of our quartz components, we rely on the highest level of purity and precision.

On that basis, in addition to our lamps, immersion tubes and submersible tube systems for demanding operating conditions are also created- on request with watertight flange connections.

In addition, we manufacture your lamps from special quartz glass, which filters out the short-wave UVC radiation and thereby the formation of ozone is reduced or completely prevented.

Quartz glass plates and rods complete our portfolio.



PRECISION AT ITS BEST

COMPETENCE

Low pressure lamp for your successful product

When manufacturing our products, we are guided by your specifications. We can manufacture in small and large series.

Our UVC lamps are used, for example, for disinfection purposes in air and water technology as well for special applications. Depending on the application, we fit our low-pressure lamps to your needs, regardless of whether they are linear lamps, contour lamps or spherical lamps.



APPLICATION-SPECIFIC



Medium pressure lamps for high performance

Our UV medium pressure lamps with an output of up to 46 kW supply the necessary UV radiation for disinfection purposes or to cure printing inks, coatings or adhesives.

In addition to the common standard spectra, we can develop application-specific special spectra for you. Thanks to this, new procedures can be tested and established processes can be optimized.

EFFICIENCY



More compact, faster, more efficient

Electronic ballasts are considered in addition to UV lamps the most important key components in the UV system. Therefore, we develop them ourselves and pay special attention to consistent quality and maximum efficiency.

Our highly developed devices for single, double and multiple systems support manufacturers with the design of their controls. Extensive functional testing guarantees optimal and reliable plant operation.

Our system concept for large systems is revolutionary. With this solution, up to 60 UV lamps are operated with just one ballast.



ANALOG AND DIGITAL



...and even more powerful

For the operation of your medium pressure UV lamps, you will find electronic ballasts with up to 40 kW power with us.

Analog and digital control options, an efficiency of up to 98% and cable lengths of up to 300m give an incomparable flexibility. In addition, our EPS range includes maritime versions for operation in IT networks on board ships or UL / NRTL-tested variants- there is nothing to prevent worldwide use.

Regardless of rough operating conditions under which you need to install your system, our devices hold up.

PRECISION

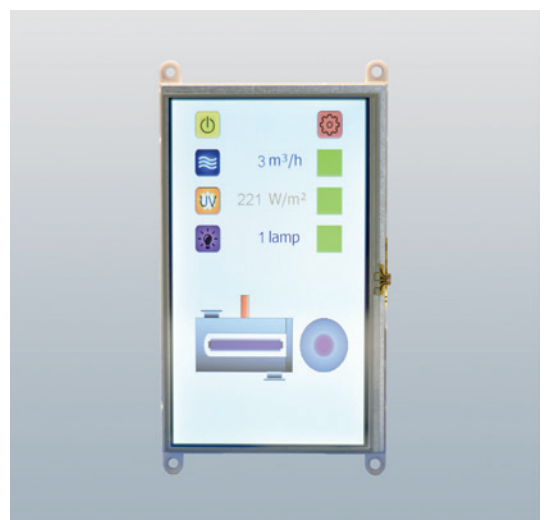


Measuring, checking, monitoring –

are essential activities for the efficient operation of your UV installation. To carry out these measuring tasks easily, you can use our extensive range of measuring equipment.

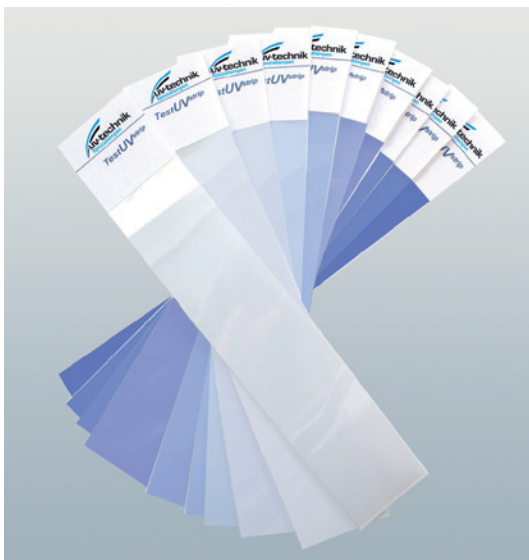
In addition to watertight system sensors, this includes precise in-line monitoring, reference measuring devices according to DVGW guidelines and suitable display monitors.

Above all, the long-term stability of our sensors in the area of low pressure and medium pressure lamp technology is of unique quality and makes us the world market leader in this field.





RELIABLE AND FITTING



Guarantee process stability

For the monitoring of UV modules in printing or coating systems, it is necessary to continuously check the UV output in order to detect a loss of output at an early stage.

Depending on the installation situation of your UV modules, not all measuring devices are equally suitable.

With us you can expect a considerable range of rod sensors, handheld measuring devices or UV measuring strips.

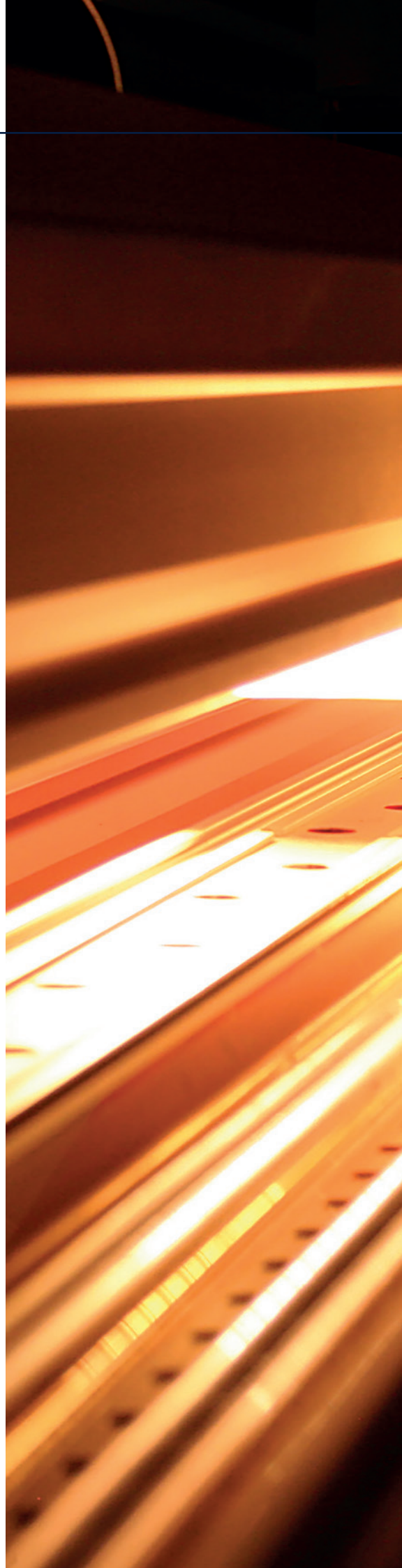
Regardless of whether it is dose measurement, intensity monitoring or spectral analysis, you will always find the right device.

MADE TO MEASURE

Dry in seconds with IR technology

In addition to our UV components, we manufacture a wide range of tailor-made infrared emitters that are used in industrial drying processes.

We manufacture individual system products that are optimally tailored to your specific application. Mainly, our IR emitters are used in the printing and food industries, but are being used more and more in the automotive sector and paint shops.



EXCLUSIVE AND OPTIMAL

SYSTEM SOLUTIONS

Application Water

Water treatment using UV technology is on the rise worldwide. The UV treatment process can eliminate or drastically reduce the need for the use of chemical additives. Depending on the application, for water treatment UVC low pressure lamps or UV medium pressure lamps are used. Together with our customers, we develop application-oriented system solutions and individual products.

In addition, analysis and thin-film reactors for medical and pharmaceutical applications made of quartz glass are part of our delivery program.

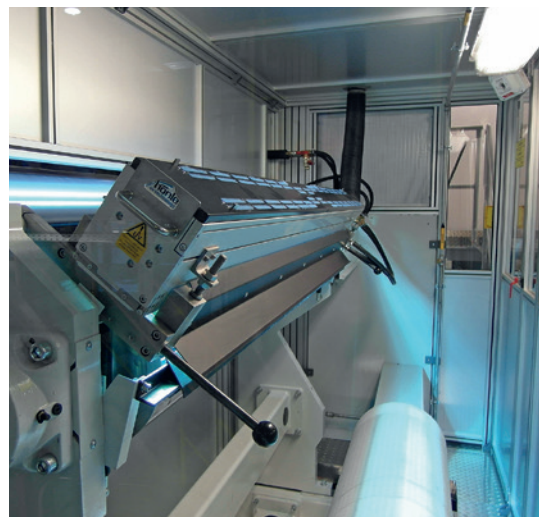


Application Drying and Curing

In the graphic industry, UV curing has been used for years as an established process. Among others, printing inks, primers or protective lacquers are cured by the use of UV radiation.

With conventional printing inks, the water content is dried with the help of concentrated infrared radiation.

In both cases, high-gloss products with scratch-resistant and colourfast properties are created.

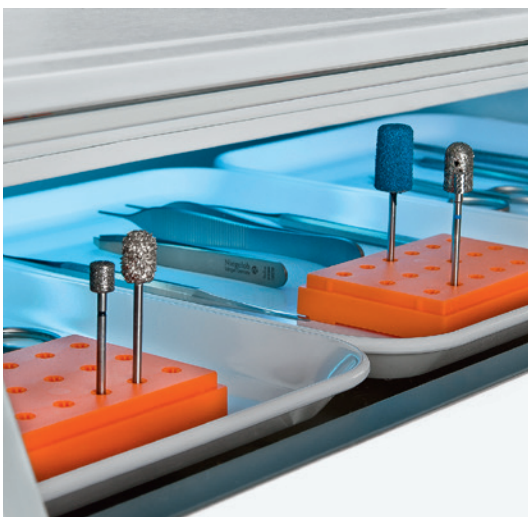


APPLICATION-ORIENTED



Application Air

To avoid the spread of pathogens, the use of a UVC disinfection system is recommended. It does not matter whether in production buildings, large gatherings of people or in livestock farms, UV disinfection provides an important contribution to the health of all living beings. UVC low pressure lamps disinfect the ambient air or treat the water in air humidification systems and air washers.



Application Surface

Numerous industrial process steps require a preliminary or post-treatment of surfaces. For example, surfaces in the packaging and food industry are disinfected in order to make conveyor belts or food more durable.

Our UVC low pressure lamps or UV medium pressure lamps are used to do this.

Furthermore, both technologies are suitable for surface activation, which means that chemical pre-treatment is not required at all.

THERE FOR YOU WOLRDWIDE



uv-technik Speziallampen GmbH- The worldwide partner for the industry

uv-technik Speziallampen GmbH is represented at numerous locations worldwide and delivers to all countries. Our headquarter is in Germany, which is also our production and development location. uv-technik international ltd is a 100% subsidiary based in Great Britain.

Our agencies are located in all those countries that have a key position for our business. In addition, we have a sizeable number of sales partners worldwide.





Member of Hönle Group

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