



THERMAL SYSTEMS

Curing in seconds.

Safe. Efficient. Future-ready.



RDS UV LED

Future-proof UV curing

www.rehm-group.com

PRECISE UV CURING

HOMOGENEOUS. STABLE. EFFICIENT.

The RDS UV LED has been developed for production environments where short cycle times, process stability and energy efficiency are critical. Typical exposure times of a few seconds enable high productivity with consistent, reproducible quality.

Stationary full-area exposure of up to 500 × 500 mm ensures uniform illumination across the entire PCB and minimises shadowing effects – even on complex assemblies.

Advanced UV LED technology significantly reduces energy consumption compared to conventional UV systems, ensuring minimal thermal impact.

- › **shortest exposure time**
- › **Panel size up to 500 × 500 mm**
- › **Maximum shadow reduction**
- › **Automatic height adjustment**
- › **Separate airflow management for efficient, clean processes**



ViCON
Software

The user-friendly ViCON software enables intuitive touch operation and transparent process control.



HIGHLIGHTS



Maximum shadow reduction: Stationary full-area exposure ensures uniform illumination—even on complex assemblies.



High material flexibility: Suitable for LED-optimised UV materials as well as all common non-UV LED materials with appropriate certification.



Intelligent segment control: Four individually switchable LED segments enable demand-based energy efficiency and short exposure times.

RDS UV LED – Future-proof UV curing

COMPACT. INTEGRATED. EFFICIENT. PRECISE PROCESSES.

The RDS UV LED combines high material flexibility with intelligent energy and process control. In addition to LED-optimised UV coatings, a wide range of proven, certified UV materials can also be processed—even if they are not specifically designed for LED technology.

Four individually switchable LED segments provide demand-based energy input and maximum efficiency. The long-lasting LED technology enables up to 20 years of production in single-shift operation, ensuring high system availability with minimal maintenance requirements.

- › High material flexibility
- › Four individually switchable LED segments
- › Up to 20 years of production in single-shift operation
- › Mercury- and ozone-free
- › Inline or stand-alone integration



SEAMLESS PROCESS SOLUTION

Protecto and RDS UV LED form an integrated coating line with a continuous process chain – from application through to UV curing. Communication solutions in accordance with IPC standards can be integrated at any time, both horizontally and vertically, e.g. Hermes or CFX.



IPC-HERMES-9852

Total length approx. 2.1 m

READY FOR YOUR PRODUCTION. CONNECTIONS FOR THE FUTURE.

Rehm Thermal Systems is a specialist in interconnection technologies for electronics manufacturing. With innovative system solutions for soldering, drying and conformal coating, we enable reliable processes and durable connections on electronic assemblies.

Since 1990, we have been developing and manufacturing energy-efficient production equipment to the highest quality standards – at our headquarters in Germany and an additional production site in China.

Our global subsidiaries, technology centres and partners support customers worldwide, from process development and testing to rapid on-site service.

Create your Connections – with Rehm, you shape future-ready products.



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