

## Press Release

Gilching, February 13, 2025

# Precise Measurement with the New UV Scan MACS

**With the UV Scan MACS powered by PRUOVE, Hönle offers an innovative UV dose measurement system for precise and reproducible measurements in laboratories and UV processes.**

The UV Scan MACS sets new standards for the simple and accurate determination of UV dose. This innovative measurement system is based on a patented technology – combining photophysics and optics – and ensures maximum reliability, reproducibility, and ease of use.

### **Easy Application, Accurate Results**

The process begins with calibrating the test strip using the macsReader device. A supplied stencil helps to position the strip correctly under the reader's detector.

Next, the measuring strip is stuck to the substrate and then passes through the UV irradiation of the plant. After exposure to the installed UV lamps, the macsReader is used again, now to determine the applied UV dose at the defined measuring point. The measured UV dose is displayed on the macsReader in  $\text{mJ}/\text{cm}^2$ . Good to know: The displayed value corresponds to the sum of the measurement values for the UVA, UVB, and UVC ranges of the proven Power Puck II measuring device from EIT 2.0.

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### Unmatched Accuracy Even for Demanding Printing Processes

The self-adhesive and flexible macsStrips are suitable even for applications where conventional test strips often fail. In addition to horizontal UV processes, macsStrips are used on vertical surfaces, roll-to-roll applications, and other hard-to-reach areas – delivering uniquely precise measurement results in all cases. Another key advantage is the easy storage: under normal room conditions, macsStrips have a shelf life of about twelve months.

#### Key Benefits at a Glance

**Patented Technology:** A combination of photophysics and optics for maximum accuracy

**User-Friendly Design:** Simple application and easy storage under normal room conditions.

**Flexible Measuring Strips:** Suitable for horizontal, vertical, curved, and hard-to-reach surfaces

**Reliable Results:** Thanks to calibratable measuring strips

**Comprehensive Monitoring:** Ideal for quality assurance and process optimization.

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The new dose measuring device UV Scan MACS provides precise and reliable results



macStrips can be calibrated, are flexible, and very easy to handle

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**About Hönle Group:** Dr. Hönle AG is the parent company of the Hönle Group, based in Gilching / Munich. The publicly listed UV specialist is one of the world's leading suppliers of industrial UV technology. The company develops, manufactures, and markets UV/LED-UV systems and equipment, UV lamps, and UV measuring technology worldwide. The business is divided into three units: BU Curing, BU Disinfection, and BU Adhesive Systems.

The **Business Unit Curing** comprises experts in curing and drying solutions for printing and coating applications, as well as for exposure and solar simulation. **Hönle** develops, produces, and distributes UV/LED-UV devices and systems for coatings and digital printing, along with the corresponding measuring technology. The division **Eltosch Grafix** represents UV/LED-UV curing devices and IR/hot air dryers for sheetfed printing applications, as well as peripheral equipment for the printing industry. **PrintConcept** is the expert for UV devices and UV/inert UV systems for web printing.

In addition to **international subsidiaries** in China, Korea, France, Great Britain, Austria, Malta, and the USA, as well as sales offices in Italy and Spain, the group has a **dense network of distribution partners** worldwide.

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