

Press Release

Are your UV inks properly cured? hubergroup provides a reliable, science-based answer

Kirchheim near Munich/Germany, April 30, 2019 – Determining the curing degree of UV inks poses a challenge to press operators around the world. To solve this problem, **hubergroup**, one of the leading international specialists for printing inks, has invented an innovative technique: “NewV cure”. From May 13 to 16, **hubergroup** will present this science-based, patented solution for determining the curing degree of UV inks as well as its EuPIA compliant UV ink portfolio in Nürtingen, Germany, at the IST UV Days 2019.

While UV inks are gaining popularity and offer a high-speed curing process, it has been difficult to quickly and definitively determine whether the print is properly cured. Due to the lack of reliable methods, most operators check curing quality subjectively using physical tests such as wiping, scratching, or a thumb, as well as chemical characterization. However, the curing degree affects hardness, robustness, migration behaviour and the ability for further processing of an ink film – in effect, improper curing negatively affects the usability and quality of the printed product.

“Our new science-based approach provides an easy and objective evaluation of UV curing within a few minutes,” says Dr Carina Sötebier, Head of Central Analytical Lab at **hubergroup**. “To determine curing level of UV inks, we use a test liquid and an electronic test device. By testing a predefined extract NewV cure can identify the quality level of a printed product.”

“With NewV cure, we end all subjective methods of curing determination and create a new standard for quality management in UV curing,” adds Roland Schröder, Product Manager UV at **hubergroup**. “It will help to reduce waste and rejects due to incomplete curing and increases security in packaging production. As our previous tests were very successful, we are excited to present first results with NewV cure to IST UV Days attendees.”

Visit **hubergroup** at IST UV Days to see the first measuring results and learn more about NewV cure as well as **hubergroup**’s EuPIA compliant UV ink portfolio.

To schedule a one-on-one press meeting with **hubergroup** experts at the event, contact

monika.d@duomedia.com.

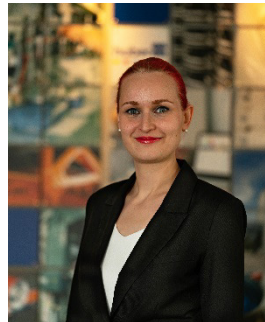
Images:



Prototype of NewV cure, which provides press operators with a fast, easy, and reliable way to determine UV cure of **hubergroup's** NewV inks.



Roland Schröder, Product Manager UV at **hubergroup** and product manager for NewV cure, has been working for **hubergroup** since May 2000.



Dr Carina Sötebier heads the Central Analytical Lab at **hubergroup** and is project lead for NewV cure. She has been working for **hubergroup** since April 2017.

About **hubergroup**:

With more than 250 years of experience, **hubergroup** is one of the leading international specialists for solutions and technologies around printing ink and print-related products for packaging and commercial printing. The successful, family-owned enterprise produces a majority of the key components such as pigments, binders and additives in-house in India. This enables **hubergroup** to define its own quality and environmental standards and guarantee them to its customers. The enterprise's activities centre around the success of its customers. Therefore, **hubergroup** works on innovative solutions, technologies and services every day to optimize value creation in the printing industry and facilitate best-in-class results for its customers. In 2018, the enterprise with 3,800 employees at 75 sites generated sales of around € 800 million.

For further information visit the website www.hubergroup.com or follow us on [Twitter](#) und [LinkedIn](#).

Press contact:

hubergroup

Franziska Niedermeir

franziska.niedermeir@hubergroup.com

PR agency:

duomedia

Monika Dürr

monika.d@duomedia.com

Are your inks properly cured?

Don't ask the lamp.



Stop guessing. Become precise.

NewV cure - the new standard for
quality management in UV curing.

NewV cure

the new standard for quality management in UV curing.

As a packaging printer you carry the burden of responsibility for regulatory compliance of the packaging material. While using UV curing inks you have to install a proper curing process. Reliable test methods for properly cured UV ink are rare. If you want to be on the safe side, you increase the power of your UV lamps (Mercury, Iron-doped or LED) to a maximum and adjust print speed to a minimum.

hubergroup has invented a new, patented, and science based solution for measuring the curing degree of the printed product. Within minutes you can precisely analyse the quality of the cured ink.

The solution consists of a test liquid and an electronic test device. By cutting out a defined printed area of your print job, you can determine the quality level of your product. You can use the method to approve print runs or to optimize your print performance.

The system offers significant benefits such as:

- Increased safety
- Data driven decision making
- Increased print speed
- Reduced power supply of the UV lamps
- Data based quality approval

Keep the competitive edge of UV ink without sacrificing quality or product compliance.

Packaging and commercial printers and their customers with a strong quality awareness are in a position to monitor their production processes.

With our technology we end all subjective methods of curing measurement. The system takes into account ink series and print job specific variations and thus streamlines daily work.



Ink Series for Energy Curing Systems

www.hubergroup.com

Technical data:

Name	NewV cure UV-Vis Spectrophotometer with EU Power Cable
Detector type	Dual Silicon Photodiodes
Dimensions (L x W x H)	35.5 x 38.5 x 19.5 cm
Display	7-inch color touchscreen, fixed, high definition, 800 x 1280 pixels
Lamp	Xenon Flash Lamp
Connections	Single USB-A supports flash memory devices for method and data storage, Duplex USB-A on side supports connection to a Windows™ computer running optional remote control software, keyboard and mouse, Export data to network or PC via USB, Ethernet or Wi-Fi USB adaptor. Print via USB, Ethernet or Wi-Fi USB adaptor
Weight	7.5 kg

The measurement results obtained can be stored in a traceable manner in the database. This is a real added value for the printer in terms of quality assurance and security for the end customer.

Further benefits are energy savings through efficient printing and the extension of the service life of the UV lamps.

Enjoy real added value as the printing machine speed can be adjusted to the perfect degree of curing.

NewV cure is the reproducible accurate method compared to the available equipment from the past. Increased added value frees up capacity for further print jobs.



Stop guessing. Become precise.

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