

# Sourcing suitable UV solutions for glass technology

Guust de Jong outlines the available options.

Coming from the sector for UV screen-printing equipment, TECHNIGRAF has developed a strong position in finishing glass technology, offering a large range of UV solutions. A good example is its VARIOCOP S Combi and the popular AKTICOP series. In two- and three-dimensional finishing of glass components and products this means there is a selection of solutions that can be adapted to customers' industrial needs.

For flat glass the AKTIPRINT G offers a solution for medium to large glass panels, either for the UV curing of lacquer or for UV sensitive ink and colours, available for one- and two-sided processes. The AKTIPRINT B is a container/moulded parts UV dryer and can be adapted to various sizes.

The focus is to include solutions for energy saving as well as heat reduction, and AKTIPRINT G and B equipment both have electronic steering of lamp output ensuring a perfect match to the irradiance necessary for an optimal curing result. Additional inlet and outlet control is also available, ensuring efficient use of energy.

The spectra of ultra-violet can be adapted from standard mercury to high efficient gallium UVA as well as iron doted UVB lamps, depending on the photon activation and sensitivity in the substrates used.

## HIGH KNOWLEDGE LEVELS

TECHNIGRAF offers service assistance with its own staff, ensuring high levels of knowledge regarding the installation and application of UV equipment installed.

As well as its wide range of medium pressure UV lamp solutions, TECHNIGRAF also offers LED UV options. One of the other core places where UV dryers are used is in laboratory installations. The AKTIPRINT Mini and electronic series are to be found in laboratories around the globe and are well appreciated by scientists for their ease of use and reproducible test results, in combination with TECHNIGRAF UV Integrator measuring equipment.

TECHNIGRAF was founded in 1965 by Walter Stumpe and, in 2012, the company was taken over by Claus-F Drews and Guust de Jong.

As General Manager, Drews has had more than 25 years experience at MAN Roland and now brings Technigraf to new standards of technology while de Jong has worked at Philips Lighting for more than 25 years and is a specialist in UVA, UVB and UVC as well as in specialist lighting applications. He is responsible for the portfolio and expansion of international business.



TECHNIGRAF's VARIOCOP S Combi exposure unit.

## FULL INTEGRATION

TECHNIGRAF is a fully integrated company with in-house engineering and design, CNC as well as forming technology for parts, housing, frame, optics, UV glass and of course the entire electrical manufacturing part of UV equipment.

The range of standard products is available at short notice, but custom designed solutions can also be processed in very short lead times as TECHNIGRAF controls its in-house process. For projects, contact with customers is from base design to after service and offers a reliable UV polymerisation process. As a result, customers around the globe are served with equipment which is adapted to local parameters and standards. ■

### ABOUT THE AUTHOR:

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### FURTHER INFORMATION:

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