

Sustainable Packaging News Awards 2023

Category of award:

Resource Efficiency

Innovations in the packaging sector which help to utilise resources in a way in which is better for our planet. This can include a reduction in material usage or reducing the overall carbon footprint. Also covers packaging designs which help prevent waste.

Nominated Product 1:

Flexcure “Nutri Series” for Food Packaging, pharma & hygiene applications.

Description of the innovation:

Flexcure Nutri series represents new generation radical mechanism designed especially for **Food Packaging, pharma & hygiene** applications; for a wide range of plastic materials and other substrates (lacquered Aluminium), suitable for processing with all in-line types of UV Flexo label or packaging printing.

These inks are only suitable for use on the non- food contact side of food packaging, provided that they are applied using the relevant GMP & as per guidelines mentioned in the TDS.

- Excellent printability and transfer with finer aniloxes
- Good adhesion
- Enhanced Performance on porous substrates/ Glossy & brilliant colors
- Excellent curing
- High colour strength/Low viscosity
- Suitable for heat sealing, lamination & hot foil stamping
- Manufactured as per EuPIA & Swiss ordinance guidelines
- BP & ITX and silicon Free

Available colors: - Process colors, White & all base colors



Fig. 1: Flexcure "Nutri Series" for Food Packaging, pharma & hygiene applications

Nominated Product 2:

Comexi “Ci8” Flex beam Offset Series for flexible packaging

Description of the innovation:

UFlex Chemicals pleased to announce the global launch of latest generation of electron beam (EB) offset inks under the brand name of “Flexbeam”, which is particularly suitable for flexible packaging. With these state-of-the-art energy curing offset ink solutions UFlex Chemicals gives flexible packaging printers access to the benefits of offset printing for short print job lengths: Low cost of print form and short set-up times allowing for quicker changeovers between the print jobs.

UFlex Chemicals Flexbeam technology offers an excellent print performance, brighter & vivid images, low dot gain, optimum ink water balance and fast intensity recovery after stops. The new ink technology is suitable for a variety of plastic substrates of the flexible packaging market. It also imparts better scratch and scuff resistance, less maintenance on press, faster make-readies, and overall better print consistency.

These inks are compatible with both solvent based as well as solvent-less adhesive for lamination purpose. This series includes process colours, Pantone bases, whites (both lamination white & Shrink sleeve white) and complete range of coatings.

The electron beam (EB) curing process generates less heat than UV and LED curing, providing a more complete cure with little-to-no odor. EB units use up to 95% less energy than thermal drying, and up to 80% less energy than UV curing. Electron beam curing systems allow converters to meet the quality standards demanded while avoiding the use of photo initiators that are used in UV systems. Avoiding photo initiators significantly reduces the risk of migration & odor related problems.



Fig. 2: Comexi “Ci8” Flex beam Offset Series for flexible packaging