

HELIOSTAR[™]

High-performance meets sustainability



Our HELIOSTAR[™] offers a sustainable and efficient solution to meet the evolving demands of the flexible packaging market. The growing concern among consumers regarding sustainability presents new challenges for printers. Our solutions are designed to efficiently use resources and minimize carbon footprints throughout the value chain. Windmüller & Hölscher is the preferred partner to find innovative solutions that are mutually beneficial for customers' financial success and the environment.

Today's market challenges:

- Sustainability**
 The demand for more environmentally friendly products has led to an increase in the use of mono-materials, PCR substrates and barrier coatings. This promotes recycling to support a circular economy.
- Sensitive substrates**
 To handle thinner and more delicate materials resulting from downgauging, presses must still maintain production speed, perfect register and optimal print results.
- Short job runs**
 High product variety has resulted in shorter runs. As a result, it is crucial to uphold high production efficiency while executing more frequent job changeovers.

HELIOSTAR[™] solutions:

- ✓ Suitable for all lacquer applications**
 W&H's HELIOSTAR[™] has been optimized for the handling of barrier lacquers and ensures high barrier performance even on mono-material substrates at high speeds with the minimal set up waste on gravure presses.
- ✓ High register accuracy@600 m/min.**
 By combining HELIOCONTROL with appropriate options, the most accurate register can be achieved, even when handling thin and recyclable materials.
- ✓ Faster changeovers in 7C for ECG printing**
 Implementing the standardized seven-color system (7C, also known as ECG – Expanded Color Gamut) results in faster changeovers, start-up settings and increased output.



Learn more about **HELIOSTAR[™]**:
www.wh.group/int/en/our_products/printing/rotogravure_presses/



HELIOSTAR[™]

Optimized inking system for high-speed printing/ECG printing



What is new?

The latest updates include significant improvements in stability for high-speed printing of the field-proven inking system, as well as improved ink transfer for high-speed production.

This makes it ideal for high-efficiency production in medium to large formats. Additionally, ink swirling in the ink tray has been optimized to reduce print defects caused by particles in the ink.

- **7C Printing at 600 m/min.**

Our updated inking system, combined with HELIOCONTROL, allows for ECG printing at high speeds of up to 600 m/min. with precise register accuracy.

- **Pushing the limits**

Our SUPERGRIP rollers can help guide most challenging films and maintain stable register at high production speeds, improving press performance for ECG printing.

Why ECG printing and why high-speed?

- ✓ Reduced changeover times
- ✓ Improved job repeatability and standardization
- ✓ Minimized cleaning between jobs
- ✓ Increased production time
- ✓ Reduced costs
- ✓ Improved use of resources resulting in greater sustainability

Our HELIOSTAR[™] integrates numerous automation and support systems, including the twin-eye sensor, to ensure stable register at all production speeds, resulting in perfect ECG printing.

Furthermore, our field-proven inking roller technology, combined with our latest developments in the inking system, makes the HELIOSTAR[™] the optimal gravure press for sustainable and high-speed printing.



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