

PRESS RELEASE

In-house exhibition

KHS Corpoplast introduces the latest innovation in PET packaging at in-house exhibition

- Over 150 industry experts get information in Hamburg
- Focus on saving resources and recycling
- Impressive KHS FreshSafe-PET® coating process

Hamburg, November 12, 2018 – Around 150 participants gathered information about new and further developments in PET packaging systems at KHS Corpoplast's innovation event this year in Hamburg. The latest in bottling systems for PET containers were met with great interest among industry experts and representatives of the beverage industry alike. Focus was on the subjects of saving resources and recycling.

The market for PET packaging continues to grow, emphasized Burkhard Becker, Chairman of the Executive Management Board of KHS (who handed over the office to Kai Acker on October 15, editor's note) in his brief statement. The share of all packaging types was already 42% in 2018 and will increase again by 2022. In addition to the light, handy and single-serve formats, the environmental friendliness of this packaging plays an ever greater role. At the same time, the relevance of the packaging design to remove the contents from the

packaging as simply and completely as possible continues to increase, for example. The systems offered by KHS for these areas today and tomorrow were demonstrated by the machinery and systems manufacturer at its in-house exhibition - first in talks and then with a tour of the factory.

Sustainability with the Smart Line concept

The focus of the Smart Line concept is primarily on innovations in the following areas: easy-to-use machines, concepts for parallel filling of several products on one line, simpler, faster and more reliable format changeover and conservation of resources in the production process.

The KHS FreshSafe-PET® coating process in particular attracted a lot of attention. This glass interior coating for PET bottles is of growing importance for local juice and nectar bottlers in light of new Packaging Act, which comes into effect on 1 January 2019 in Germany. To date, conventional packaging in these segments has been difficult to recycle because of the addition of additives. In the future beverage producers are threatened with having to pay what is known as a participation fee. Using the KHS Plasmax glass inner coating makes bottle-to-bottle recycling possible and thus creates a solution to reduce the marketing of non-recyclable disposable PET bottles in the medium to long term.

Great Interest in the InnoPET FormFill™ concept powered by LiquiForm™

Also positive was the guests' response to InnoPET FormFill™ powered by LiquiForm™ concept which molds and fills plastic containers in just one step. This revolution in processing will reach the serial production stage at the end of 2019 when it will be delivered to a customer for the first time. It stands out in particular with regard to resource savings in the production process. The energy consumption for stretch blow molding is reduced even further by up to 50% compared to current

BloFill systems. In addition, the compact machine design allows more flexibility and space savings of more than 40% versus machines of comparable capacities.

Another topic of the in-house exhibition was the service that KHS has recently expanded worldwide. Dr. Martin Koschmieder, Head of Service, emphasized the Bottles & Shapes™ program with which the company provides customers holistic advice on the design, engineering, optimization and production of PET bottles. "We reduce material consumption by optimizing the weight and thus decrease the cost of production as well as the cost of secondary packaging," said Koschmieder and illustrated the advantages for customers with an example: "Based on the production of 270 million 0.5-liter bottles of highly carbonated water per year, cost savings of up to €770,000 result by reducing the weight from 12.5 to 9.9 grams."

Managing director Thomas Karell also had words of praise for the innovations and the good work of all colleagues during the past years. He has been managing KHS Corpoplast since 2011. The success of the Hamburg site is demonstrated alone by the growing workforce: the number of employees at KHS Corpoplast has increased by more than 30% between 2008 and 2017. The development of the site is driving the company forward with further investments, including a new production hall, a technology center, increasing order picking capacities and new measuring and laboratory equipment.

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1. **Bernd Kempa:** The guests were particularly interested in the presentation on the subject of FreshSafe-PET® by Bernd Kempa, head of global product account management in the field of barrier technology at KHS Corpoplast. With the help of barrier technology, customers are able to produce 100% recyclable PET bottles that provide optimum protection for beverages thanks to a very thin coating of glass on the inner bottle wall.

2. **Factory tour:** During the factory tour, customers from the beverage and food industry showed a great deal of interest in the system provider's system technology with which they can design their own production more efficiently and sustainably.

3. **Factory tour 2:** The latest in bottling systems for PET containers have met with considerable interest among industry experts and representatives of the beverage industry alike. Focus was on the subjects of cost savings, sustainability and recycling.

4. **FormFill:** Positive was the guests' response to InnoPET FormFill™ powered by LiquiForm™ concept which molds and fills plastic

containers in just one step. This revolution in processing will reach the serial production stage at the end of 2019.

5. **Thomas Karell:** Managing director Thomas Karell, who has been managing KHS Corpoplast since 2011, also had words of praise for the innovations and the good work of all colleagues during the past years.

About the KHS Group

KHS is one of the leading manufacturers of filling and packaging systems for the beverage, food and non-food industries. The KHS Group includes the following companies: KHS GmbH, KHS Corpoplast GmbH, NMP Systems GmbH and numerous subsidiaries outside Germany.

KHS GmbH manufactures modern filling and packaging systems for the high-capacity range at its headquarters in Dortmund, Germany, and at its factories in Bad Kreuznach, Kleve and Worms. The KHS Group's PET expertise is pooled at KHS Corpoplast GmbH in Hamburg, Germany, where innovative PET packaging and coating systems are developed and produced. NMP Systems GmbH, a wholly-owned subsidiary of KHS GmbH based in Kleve in Germany, designs and markets new, resource-saving packaging systems for PET bottles.

In 2017 KHS and its 5,070 employees achieved a turnover of around €1.137 billion. The companies in the KHS Group are 100% subsidiaries of the MDAX-listed Salzgitter AG corporation.

Contact for journalists

Sebastian Deppe
Sputnik GmbH
Press and PR
Hafenweg 9
48155 Münster, Germany
Phone: +49 251 / 62 55 61-243
Fax: +49 251 / 62 55 61-19
deppe@sputnik-agentur.de
www.sputnik-agentur.de

Contact for publishers' representatives

Eileen Rossmann
Mediaberatung
mmb mediaagentur gmbh
Rotebühlplatz 23 (City Plaza)
70178 Stuttgart, Germany
Tel: +49 711 / 2 68 77-656
Fax: +49 711 / 2 68 77-699
Eileen.Rossmann@mmb-media.de
www.mmbmedia.de