

PRESS RELEASE

interpack trade show

Boosting efficiency and saving on resources: KHS presents a diverse packaging portfolio

- Circular packaging: further developments for Nature MultiPack
- Reliable services: help assessing the carbon footprint
- Smart operations: automatic format changeovers for beverage can and PET bottle packaging
- Line efficiency: high-performance palletizer for greater efficiency

Dortmund/Düsseldorf, March 16, 2023 – From May 4 to 10 the trade show in Düsseldorf, Germany, will be the hub of the global packaging industry. At this year’s interpack KHS will be presenting its diverse portfolio of resource-conserving systems to promote the circular economy. KHS’ Innopack Kisters Nature MultiPack machine will be on show by way of example that proves convincing with further developments such as a new universal adhesive. With its range of holistic services KHS is able to facilitate customer decision-making processes thanks to the use of independent calculator tools that assess the carbon footprint of various styles of packaging in direct comparison. Further technologies such as robots for efficient high-speed palletizing operations and modular automation systems for format changeovers round off KHS’ collection of exhibits at the show this year.

Dr. Johannes T. Grobe, CSO of the KHS Group, emphasizes just how important interpack is for KHS. “This trade show has always been a key

venue for the international packaging industry. It's a driver of the transformation towards more environmental protection and efficient production processes. This is precisely where we come in with our holistic systems and solutions, advising our customers on suitable machinery tailored to their specific requirements," he says.

Further Nature MultiPack developments

The tried-and-tested Nature MultiPack (NMP) machine will take center stage at KHS' show booth as a prime example of the company's vast range of pioneering packaging systems. One of the most sustainable types of secondary packaging on the market, it joins beverage cans or PET bottles together to form stable packs with just a few dots of adhesive – without any additional outer packaging whatsoever. Saving up to 90% in materials, this technology is compelling and has now been consistently further developed, with a new universal adhesive applicable to practically all outer coatings on both aluminum and tin cans. The one-fits-all system already in successful practical operation makes it easier for numerous beverage producers to convert to NMP – for to date, choosing the right adhesive was often a laborious process.

More informed decisions on climate-friendly packaging

In order to determine which style of packaging has which impact on the climate and whether a conversion for a stretch blow molder, for instance, has a positive effect on the carbon footprint or not, KHS has developed a number of carbon calculator tools. This free service has been developed together with the Hamburg Institute for Environmental IT, a leading independent international software developer for material and energy flow analyses. "Our systems and solutions aim to create continuous added value while reducing the ecological footprint," says Grobe. "The pressure on the packaging industry for more sustainability is growing – from both consumers and

legislators. We thus provide our customers with guidance and help them in their decision to buy by directly comparing different packaging systems.”

Modular automation systems for format changeovers

The systems supplier’s plant engineering not only protects the environment; digital services also make for safer and more efficient production processes. In this context, KHS will be presenting its modular automation systems for format changeovers during the packaging of beverage cans and PET bottles. The increasing variety of these types of container often requires bottlers to make frequent adjustments at the packaging and palletizing end of their production lines. With the new option for all KHS packers in the Advanced series and PB palletizer models, up to 80% of all manual tasks required in conjunction with a line changeover are now superfluous. This allows operators to save up to 30 minutes for each packaging and palletizing format changeover.

The new Innopal PLR high-performance palletizer helps to further boost efficiency at the packaging and palletizing end of a line. This combines the benefits of low-feed machines with the capacities provided by palletizers with a high infeed. With the help of robots, this machine processes up to 625 layers per hour which amounts to a nominal capacity of 135,000 cans an hour depending on the can diameter. This machine can of course also palletize PET containers and glass bottles. Using robots also simplifies operation, thus considerably increasing both the efficiency and availability of production.

“With our diverse portfolio of primary and secondary packaging we can provide the best respective system to satisfy a whole range of demands and requirements. This means that we’re always at our customers’ side as a partner they can depend on, helping them to steadily reduce their

consumption of energy and resources and promote the circular economy,”
Grobe concludes.

The KHS Group will be presenting its systems and solutions at Booth A31 in Hall 13 at interpack in Düsseldorf, Germany, from May 4 to 10, 2023.

For more information go to:

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Pictures and captions

(Sources: Frank Reinhold and Jan Schwerdtfeger)

Image download: <https://KHS.dphoto.com/album/95omyy>

Picture captions

Circular packaging (source: Frank Reinhold)

At interpack KHS will be presenting its diverse portfolio of resource-conserving containers to promote the circular economy. The tried-and-tested Nature MultiPack (NMP) machine will take center stage at KHS’ show booth as a prime example of the company’s vast range of pioneering packaging systems.

Reliable services (source: Frank Reinhold)

In order to determine which style of packaging has which impact on the climate and whether a conversion for a stretch blow molder, for instance, has a positive effect on the carbon footprint or not, KHS has developed a number of carbon calculator tools.

Smart operations (source: Frank Reinhold)

At interpack KHS will be presenting its modular automation systems for format changeovers during the packaging of beverage cans and PET bottles. With the new option for all KHS packers in the Advanced series and PB palletizer models, up to 80% of all manual tasks required in conjunction with a line changeover are now superfluous.

Line efficiency (source: Jan Schwerdtfeger)

The new Innopal PLR high-performance palletizer helps to boost efficiency at the packaging and palletizing end of a line. This combines the benefits of low-feed machines with the capacities provided by palletizers with a high infeed. With the help of robots, this machine processes up to 625 layers per hour.

Dr. Johannes T. Grobe (source: Frank Reinhold)

“interpack is a driver of the transformation towards more environmental protection and efficient production processes. This is precisely where we come in with our holistic systems and solutions, advising our customers on suitable machinery tailored to their specific requirements,” says Dr. Johannes T. Grobe, CSO of the KHS Group.

About the KHS Group

The KHS Group is one of the world's leading manufacturers of filling and packaging systems for the beverage and liquid food industries. Besides the parent company (KHS GmbH) the group includes various subsidiaries outside Germany, with production sites in Ahmedabad (India), Waukesha (USA), Zinacantepec (Mexico), São Paulo (Brazil) and Kunshan (China). It also operates numerous sales and service centers worldwide. KHS 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, Worms and Hamburg. The KHS Group is a wholly owned subsidiary of the SDAX-listed Salzgitter AG corporation. In 2022 the KHS Group and its 5.002 employees achieved a turnover of around €1.291 billion.

PR contact

KHS GmbH
Sebastian Deppe
(external PR consultant)
Phone: +49 251 6255 61243
Fax: +49 251 6255 6119
Email: presse@khs.com
Website: <https://www.khs.com>

Media contact

KHS GmbH
Eileen Rossmann
(external media consultant)
Phone: +49 711 26877 656
Fax: +49 711 26877 699
Email: eileen.rossmann@mmb-media.de
Website: <https://www.khs.com>