

# Sustainability that pays off.

## KHS provides systems for more sustainability in the beverage industry



The NatureMultiPack™: launched to market by Carlsberg as the „Snap Pack“

The demand in the beverage industry for resource- and energy-saving systems continues to grow. Reducing the consumption of energy and resources during production plays an important role here, with the recycling of packaging a further major issue. KHS supplies dedicated systems to meet these concerns and has at its disposal a wealth of expertise with which it assists its customers in their striving towards greater sustainability.

KHS has been a partner to the beverage industry for 150 years, during which sustainability has long been an issue for this particular sector. The German manufacturer of filling and packaging systems provides dedicated plant engineering to promote the efforts being made in this field.

On the one hand KHS is constantly helping to reduce the carbon footprint

in beverage production by developing systems which increasingly save on energy and resources. On the other ever greater importance is being attached to devising innovative packaging machinery. KHS experts are working on using fewer and fewer materials in many different ways to save on raw materials. With the development of the award-winning Nature MultiPack™ KHS has a film-free pack in its portfolio which has already been launched to market by Carlsberg as the “Snap Pack”, for instance. Here, cans or PET bottles are held together by nothing more than several strong dots of adhesive – which are easy to remove.

A further requirement is that packaging material be kept in constant circulation where possible by it being reclaimed, processed and continuously reused. One big step towards engineering a strong, efficient and sustainable circular economy is thus to improve the recyclability of PET juice bottles in particular to such an extent that they are suitable for bottle-to-bottle recycling. However, to date additives contained in the

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preforms used to make the bottles have often proved a hindrance to pure-grade recycling. With FreshSafe PET® – a SiOx coating process for the inner wall of the bottle – KHS offers a recyclable barrier solution that is fully recognized by APR and EPBP to significantly increase the global recycling rates of PET beverage packaging with extended product protection. the world over.

“The current debate on packaging waste has clearly further heightened our awareness for environmentally-friendly systems,” says Karl-Heinz Klumpe, product manager for packaging at KHS. “We provide a variety of market-proven, sustainable technologies.”

### Facts:

- Awards for environmentally friendly packaging solutions
- Exclusive use of green electricity at German sites
- Training on resource conservation and sustainability days

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