

Fachpack 2012

High performance at the end of the line



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Completing a busy three days in Nuremberg, FachPack closed its doors on September 27th, but not before around 27,000 visitors had been fully informed by the offerings of 1,466 exhibitors. Interested parties from the dairy industry could discover numerous innovations too, including for example end-of-line machines, checkweighers and inspection systems.



**Case packer
Elematic
3000 S by
Bosch**

The Waiblingen-based packaging technology division of **Robert Bosch GmbH**, Stuttgart, showed a new application concerning its Elematic 3000 S case packer, which is engineered to handle and place glass jars into tray and hood secondary packaging. The demonstrated version of the machine meets the need of Rapunzel Naturkost, a German manufacturer of organic products.

Designed to protect the easily breakable jars and to reduce downtime, any machine parts that come into contact with product are made of plastic. In addition, the machine's infeed is surrounded with protective covers to eliminate the risk of jars falling down. The case packer can be easily adjusted to match the preceding filling machine's speed without affecting efficiency on the production line. Jars are transported via two lanes, each carrying a maximum of 95 units per minute. A special grouping system including accumulation area regulates the consistent delivery of products. The machine is capable of packaging a variety of different sizes in a range between 250 and 750 gram jars.

By using a 20 watt generator, the innovative X-ray system X3310 by **Mettler-Toledo Safeline** requires only a fifth of the power of



**X-ray inspection system
X3310 by
Mettler-Toledo
Safeline**

traditional devices. It guarantees the same high level of sensitivity detecting a wide range of foreign bodies such as glass, metal, stones or high-density plastic. The system has a single vertical X-ray beam and is available in 300 or 400 mm detector width. So it is ideally suited to the inspection of small and medium sized packaged products.

Moreover Mettler-Toledo presented an optimized version of its CLS Series, designed for visual all-around label inspection of food packaging. The system features new Linescan technology, which consists of a single row of pixel sensors rather than a traditional digital camera lens. This enables manufactures to control seal integrity, printing and positioning even at high throughput speeds. Top and bottom labels can be verified simultaneously. The cameras are adjustable for products ranging from 25 to 100 mm in height.

To complete its product range for turnkey, end-to-end packaging lines, **Multivac Sepp Haggenmüller GmbH & Co. KG**, Wolfertschwenden, introduced MR821 checkweighers that are manufactured by subsidiary company Multivac Marking & Inspection GmbH & Co. KG, Enger. At the show it was integrated into a tray-sealer line, operating with a two-lane model T700. The checkweighers are available as series 1500 or 3000 with a weighing range up to 1.500 or 3.000 grams and can be equipped with multi-frequency metal detectors. Both have a 12.1 inch colour touchscreen or a 5.7 inch monochrome display as required. The checkweighers allow product lengths up to 450 mm and work at a maximum speed of 170 m per minute (series 1500) and 120 m/min (series 3000).



**MR821
check-
weigher
by
Multivac
Marking
& Inspec-
tion**

OCS Checkweighers GmbH, Kaiserslautern, highlighted its improved X-ray scanner SCW 3000-C-C-CF to detect foreign bodies in food. The last part of the abbreviation means „curtain free“. Al-



**Combined
X-ray
scanner/
check-
weigher
SCW
3000-C-C-
CF by OCS
Check-
weighers**

though this X-ray protection is missing, it fulfils all statutory provisions. Combined with a checkweigher the watercooled scanner with a maximum output of 600 watt is suitable to inspect lighter products up to 45 mm in height and 300 mm in width. There is an option for a two-lane version.



**Horizontal
flow wrap
machine
ReeFlow
500 by
Reepack**

At Fachpack 2012, the horizontal flow wrap machine ReeFlow 500 by Italian **Reepack S.r.l.**, Bergamo, celebrated its premiere. Completely made of stainless steel and equipped with servo-motion technique, the machine speeds up to 500 packs per minute or 40 m/min, depending on the product size. The cut off lengths can

vary between 50 and 500 mm. Maximum product width is 200 mm and 100 mm in height. „Intelligent“ settings and inline feeders enable fast product changeovers.



**Tray-
packer of
SFS 414
series by
Schäfer &
Flott-
mann**

Gevelsberg located **Schäfer & Flottmann GmbH & Co. KG** demonstrated a custom-made traypacker of SFS 414 series that brought cheese blisters into display trays. With a maximum performance of 160 packs per minute, the machine can handle a wide range of formats and variants. This flexibility does not only refer to different sizes but also to specialties like shelf-ready trays with and without turned up edges at the access opening, with or without roof flaps and additionally an open version without hood. Moreover two different hood versions, plug-in hood or pre glued snap-on-hood, are processed. The installed servo technology allows highest repeatability.



**Schu-
bert's
TLM-F44
picker line
for butter
cups**

A highly flexible and compact TLM-F44 packaging machine for butter cups was shown by **Gerhard Schubert GmbH**, Crailsheim. The picker line consists of four sections to group the cups and to erect, load and seal the trays. The line can produce up to 20 cartons per minute containing between 6 and 30 butter cups. Fed on two lanes by an upstream filling machine, three TLM-F4 robots pick up the cups and organise them into a configuration of 2 by 6 pieces.

For the filling machine is able to process two different types of butter, mixed packages can be built; e.g. 70:30 or 60:40. A patented counter-flow running principle creates a buffer zone to absorb production fluctuations. TLM-F2 robots erect various sized cartons and place the products groups into the cardboards layer by layer. Each front facing of the tray can be folded to prevent injuries caused by sharp edges.