Exhibitions & Events 2019 / 2020

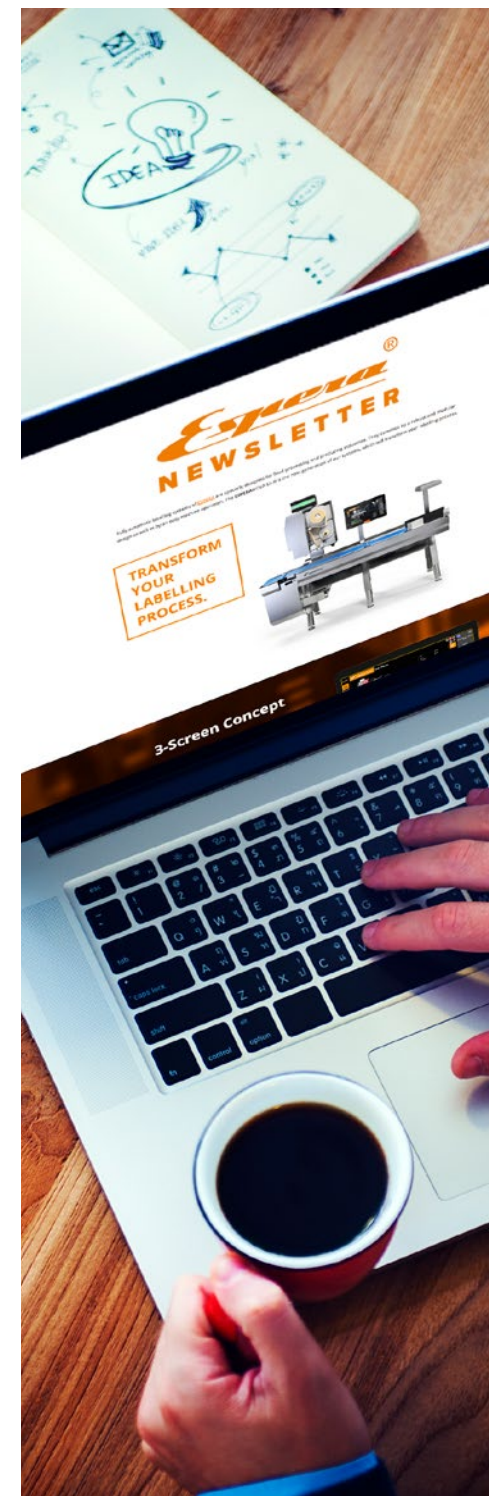|			
17th – 19th September	meat attraction	Madrid	Spain
23rd – 25th September	PACK EXPO	Las Vegas	USA
24th – 26th September	FachPack	Nuremberg	Germany
07th – 11th October	AGRO PROD MASH	Moscow	Russia
22nd – 25th October	CIBUSTEC	Parma	Italy
13th – 14th November	EMPACK2019	Madrid	Spain
17th – 18th November	bio ÖSTERREICH MESSE WIESELBURG	Wieselburg	Austria
2020 10th – 12th March	Cfia	Rennes	France
2020 07th – 13th May	interpack	Duesseldorf	Germany

Impressions from IFFA 2019

ESPERA Newsletter

The more information the better!

Be the first to know about news and trends around ESPERA's product portfolio. The ESPERA Newsletter makes it possible and informs you about the highlights even before you read it in the trade press.

Simply scan the QR Code and don't miss any news around the ESPERA world.

**ESPERA.
ONE STEP AHEAD.**

Congratulations!

You can find more impressions from IFFA on the backside.

FT FLEISCHEREI TECHNIK MEAT TECHNOLOGY Award 2019
Category: Automation & Digitalization

IFFA 2019 – Meat us at IFFA …

… our headline for the IFFA 2019. All about meat labelling & inspection technology was demonstrated by ESPERA on its 300 square meter exhibition booth.

ESPERANOVA ES-R – Award Winner

This year our product range **ESPERA**NOVA was honored with the Meat Technology Award in the category Digitalization and Automation. Especially the exceptional digital functions, such as the *SmartHead* thermal head or the intuitive Think4Industry machine software for an increase of efficiency and quality control in production, were honored by the commission.

The outstanding, modularly exchangeable applicator, which is available both as a contact applicator and as an applicator for label placement via air pressure, also demonstrates the unique level of automation of the NOVA machine generation. ESPERA is the only manufacturer in the end-of-line sector having currently implemented such measurable, digital and automated technologies, once again demonstrating how customer-oriented the product solutions are.

The ES 7800 multiroller printer fully line integrated

For the first time ESPERA presented in cooperation with the software and automation company CSB Automation an application-oriented line integration of robotic picking, metal detection, weighing, labelling and inspection of products up to sorting of the products shop-related into sorting boxes. The idea was to show how easy chaotic product batches can be processed. A robotic pick-and-place system placed the products fully automatic on the belts. In the first step, the packs are checked for metal and passed on to the multiroller printer for individual weighing and labelling. It is incomparable that up to 5 different labels can be printed with only one printer. Even in small batches up to batch size 1, the printer can change between the 5 label cassettes individually. All of that with completely individual information without time-consuming changing of the label roll. After the shop-related labelling, the products are checked for readability of the label contents via the ESVS Vision System and last but not least assigned to different shops via sorting boxes.

IFFA Kitchen with Jumbo from Galileo

For the first time the IFFA Kitchen completely covered the end-of-line area. Thus the packaging and labelling of products were demonstrated in addition to the classic demos of how a sausage is produced. All sausages produced and packed were then individually weighed and provided with information such as weight, price, expiry date, recipe, allergens and nutritional values on the label via the **ESPERA**NOVA machine.

Unbeatably new – maximum digital!

The range of the NOVA generation continues to grow and now also convinces with a maximum modular, manual ES-M labelling system.

Think4Industry inside

The unique NOVA software Think4Industry is integrated as a standard for the manual labelling system. This means such unique functions as for example the thermal head, the label design preview and the wizzard are available for the manual system, too.

Hygienic design

Internal cable connections provide an optimum water and corrosion protection.

Printing at the highest level

For all those who want to print faster, the ES-M is also available as a high-speed version with a print speed of up to 300 mm / second.

More modularity than ever

Are you looking for a separately positioned display for even more flexibility and handling freedom within the production? No problem, the ES-M is also available as a version with a removable terminal.

Are you looking for a printer without a display for even more cost efficiency in the application as a total printer? No problem, you decide whether the manual system is equipped with a display or not. Thermal transfer or thermal direct printing? **ESPERA**NOVA ES-M is of course available in both versions. ■

Think4Industry machine software for an easy and intuitive machine operation.

Stable and hygienic stainless steel machine housing including all inside positioned cable connections.

Unique light barrier bar for automatic recognition of different label sizes and label geometries.

FULL GLASS COLOR TOUCHSCREEN WITH SWIPE FUNCTIONALITY

Individual adjustment and balancing of printing force for a perfect label print.

Weight ranges available up to: 7.5 kg / 12 kg / 30 kg / 60 kg.

Learn more about the new ES-M labelling generation.

SmartHead thermal head for a fully automatic control of printing quality.

ESPERA NOVA – The transformer among the labelling systems – Part 2
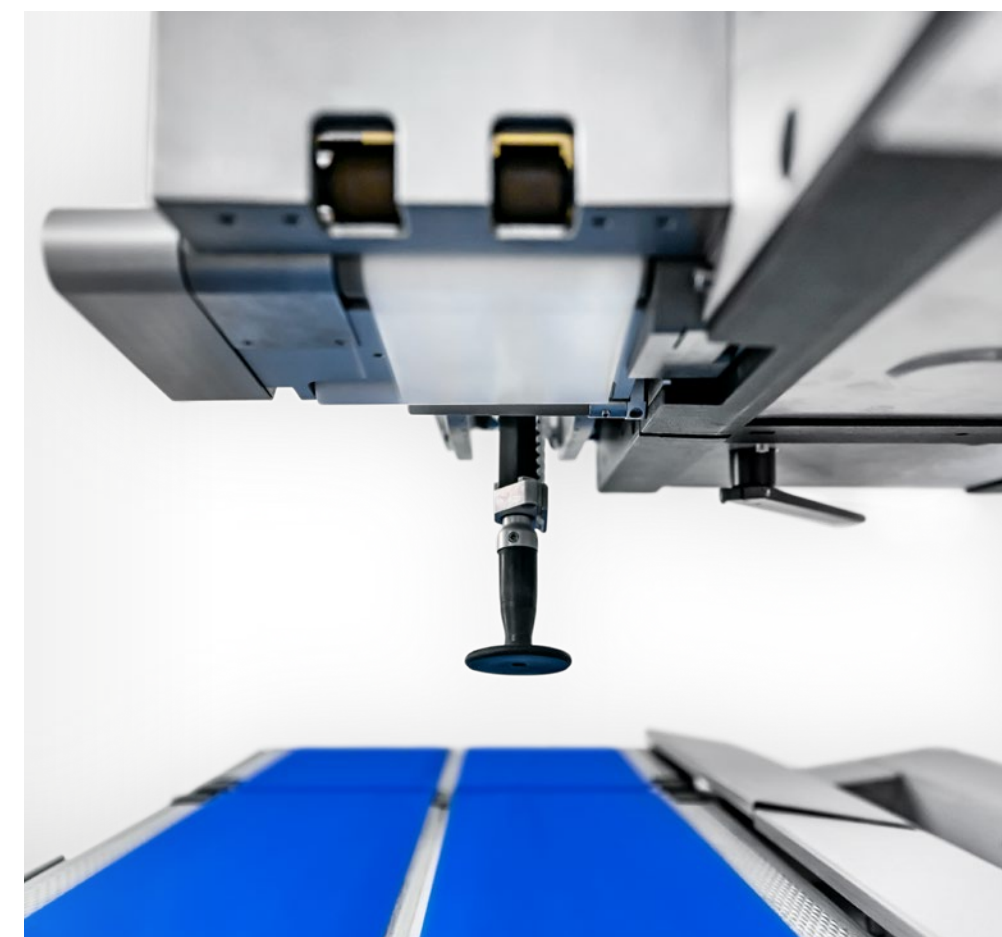
Switch & Go

Two application variants for maximum flexibility of your weighing and labelling process.

Not only the digital features of the new machine generation **ESPERA**NOVA ES-R convince by their uniqueness. The new generation of fully automatic labelling systems also sets new standards in modularity. Not only printers from above or bottom can be added individually, also the application system is individually exchangeable.

Two different application variants are currently available. On the one hand the contact pendular applicator for products in classic tray, shrink, stretch, skin or other stiff packaging types. On the other hand, there is also an air blow pendular applicator for applying the label by air pressure available. This variant is preferably used for sensitive products, such as fruits in flowpack

packaging. The application of the label by air pressure does not damage the product. Applying the label directly above the package by air is unique on the market. The applicator moves completely electronically with the package over the conveyor belt and applies the label only a few millimeters above the package. Conventional systems dispense with the air applicator and apply labels by air pressure over a height of up to 120 mm away from the package. This regularly leads to poorly labelled products and even to unlabelled products, as the air pressure is not sufficient enough to hit the package.

The unique ESPERA solution, on the other hand, picks up the label and applies it by air pressure exactly where it is needed, just a few millimeters away from the package. This means that a labelling accuracy of up to +/- 1 mm can be achieved during label application using air pressure. ■

Automation at its best!

Since 1969 Hubert Bahlmann GmbH & Co. KG is specialised in the production of high-quality veal products for the retail trade and gastronomy. At Bahlmann, not only the perfectly automated production process is decisive, also the entire value chain "From Farm to Fork" is considered. Animal welfare with food from the own factory is therefore a matter of course for a successful product. The same applies to the complete traceability of all meat products from birth.

All the relevant traceability information are transferred via the label to the consumer. The aim is to create transparency about the product and to focus on sustainability and regionality. The basis for this is an intelligent database in which all information about the meat product is collected and printed on the label to match the product during the labelling process.

But how do you optimally control an end-of-line process with chaotic product infeed, different product dimensions and individual label information? How much automation and digitization are required for this?

Individualized products up to batch size 1

The chaotic product infeed is visually checked by the employee on the conveyor belt and directly selected via the smart machine terminal the corresponding product is selected by the employee. At that moment, the product information stored in a database is transferred to the labelling system and label printing is started in real time. Up to batch size 1, a product-specific labelling is carried out at a speed of up to 100 packs per minute.

Light barriers along the belt system measure the start and end length of each product and define the perfect labelling position always centrally on the package. No matter whether it is a veal cut of 15 cm

or 70 cm. All products are always marked at the same position by the light barrier measurement.

From Farm to Fork – Transparency for the end consumer

As a manufacturer in the premium segment, Bahlmann attaches great importance to providing accurate information on the origin of its products. The end consumer should know where his veal comes from, how and where it was reared and where the slaughtering and cutting process takes place. Bahlmann declares this complete origin information legibly for the end consumer on each label and additionally stores this information in individual barcodes which are also printed on the label. Together with classic barcodes for batch numbers, weight and price information, up to 3 different barcodes are sometimes printed on one label. In order to guarantee the readability of the barcodes for the retail trade and to avoid recalls, each product is checked by the ESPERA scanner solution directly after the labeling process. In case a barcode is not readable, the product is immediately rejected.

Fully automatic sorting

If all barcode information is readable, the products are automatically sorted into boxes. On the one hand, products are assigned to individual customers and merged into containers; on the other hand, products are sorted by type into compartments. The employee recognizes on the display of each sorting system how many products are still missing to complete an order and automatically receives the total label for each complete order. This means that the perfectly labelled veal product with all consumer-relevant information reaches the wholesale or retail trade within the shortest possible time and is perfectly labelled. ■

Hubert Bahlmann GmbH & Co. KG

Hubert Bahlmann, a master farmer from the region of the ‚Oldenburger Muensterland', developed an animal-friendly calf husbandry system in 1969, which he implemented in his farms.

Today, the Bahlmann company is a medium-sized family business that practices the daily production of high-quality "veal" food at all production levels. With a total of 560 employees at 2 locations, Bahlmann focuses on sustainability, traceability and the highest quality of its products.