



# VERPACKUNGS RUNDSCHAU

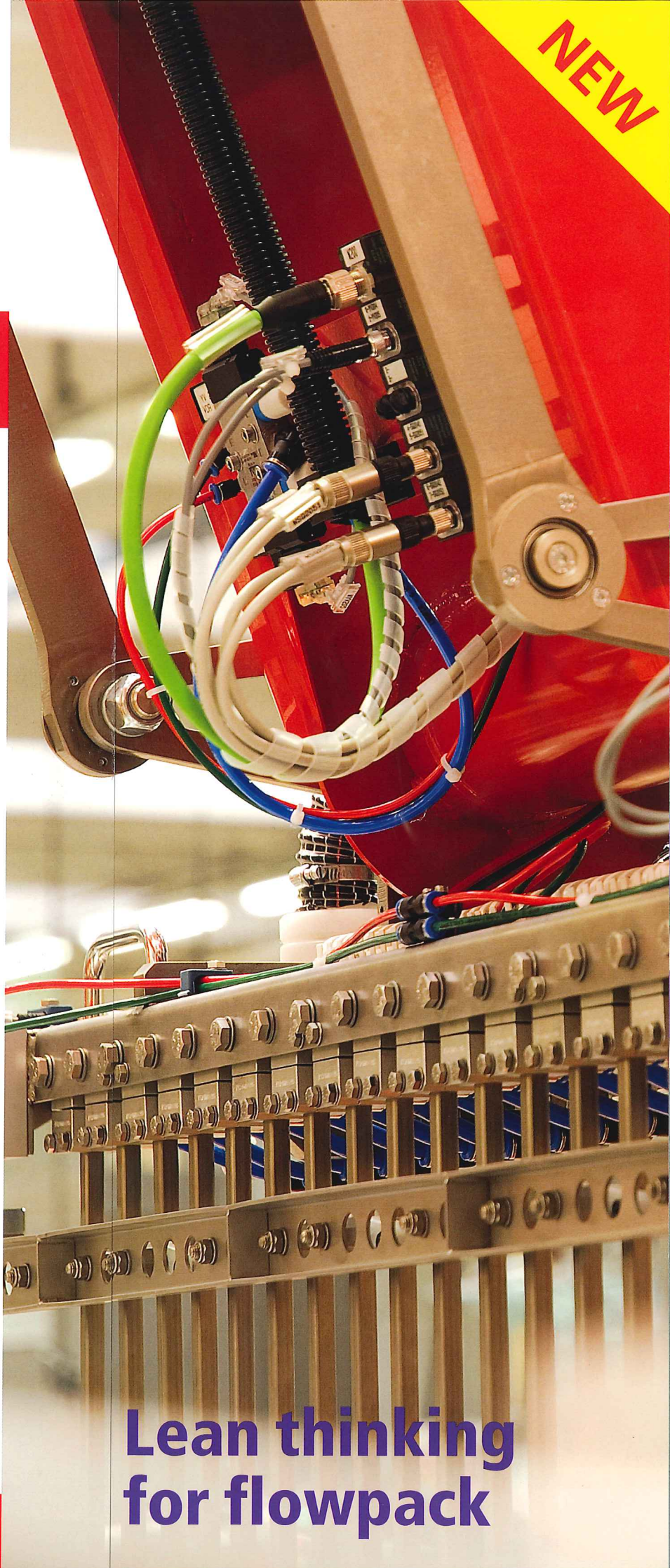
PRODUCTS, TECHNICS, TRENDS  
FOR DECISION MAKERS

## SPECIAL

FOOD + BEVERAGE  
PACKAGING

### TOPICS

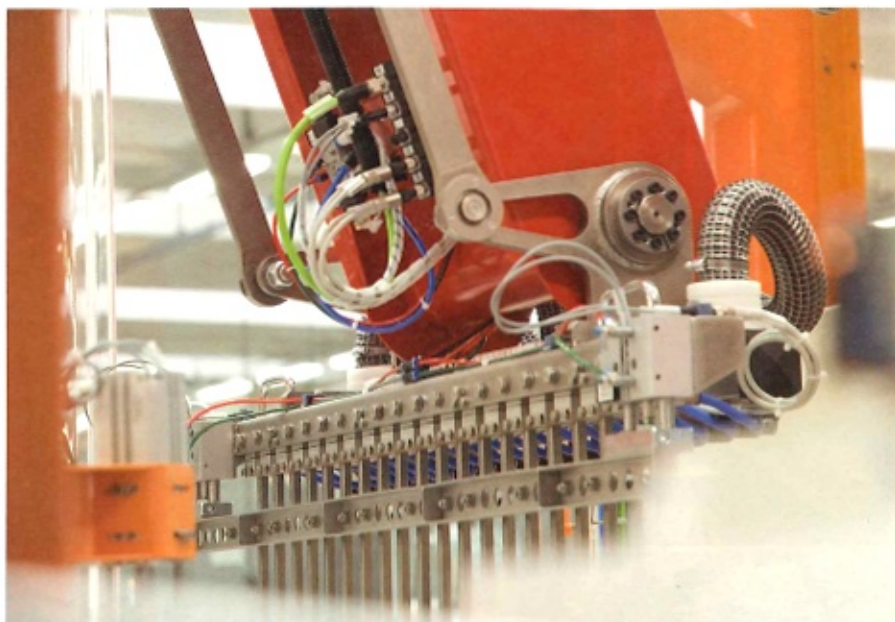
- **FOOD**  
Lean thinking for machine concepts  
  
A multi-prong strategy for machinery
- **ALCOHOLIC BEVERAGES**  
Petrópolis keeps on growing
- **SOFT DRINKS**  
Türk Kizilayi: All in one line  
  
35 liters for a coke
- **MILK + DAIRY PRODUCTS**  
Ambrosia Puds: A classic in new packaging



## Lean thinking for flowpack



Cavanna at  
interpack:  
Hall 14,  
booth B14/B30



Not only machines but "concepts". Ideas to solve problems.

Titlestory

# Lean thinking for flowpack

"Different solutions for one single dose"

Have you ever looked through a prism? For each face there is a different point of view. If we could see a company through its history, we would see it as through a prism. And how would Cavanna – system integrator in the flow pack sector – appear throughout its 50 years history?

Probably not as a system of automatic machines, but as a company of competence, patents, different solutions one from each other, a system which is in constant development and evolution according to the changing demands from customers: demands from the industry sector, from the modern distribution and even from the final consumer.

In June last year, Cavanna celebrated its anniversary in Prato Sesia/Italy, not with

the usual birthday party, but with a cultural event dedicated to "Metamorphosis – the art of handling change". The guests were encouraged to look at reality from different points of view with the interventions of a sociologist, an ethologist, an engineer, an expert in efficiency of complex systems, and of a lady who was an innovative and courageous entrepreneur. Each of them explained how things, animals, men and companies tackle the challenge of change as an oppor-

tunity to grow and develop, and to share among all the individuals of each single system.

In this sense, Cavanna doesn't mean automatic machines, but a resource adjustment to every single and specific requirement thanks to the integrations of two teams: the group's team and the customer's team. "We have installed 5.000 projects all over the world", states Riccardo Cavanna, C.E.O. of the group with his sister Alessandra, "and practically none of them is like each other". It is with this talent for "biodiversity" that the Cavanna Group presents at interpack 2011 not only machines but "concepts" – ideas to solve different problems, with an eye to the best solutions for simplification and efficiency.

## Information

### Not only machines

- 3% of the annual turnover is allocated to research and development.
- 25% of the collaborators work in R&D.
- 90 patents registered worldwide.
- Internal Material Testing Lab (MIT) for trials on innovative wrapping films.
- Internal training school to inform and keep the company's engineers and technicians up to date.
- Management of the Industrial Process Lean Thinking.
- Tight control of the production of the components in Italy.

### Single electronic language

All the solutions exhibited on the booth show the company's attitude to flexibility: each technical solution stands out from the others not only because of its technical features, but also due to its property to gener-



Cookie line with three different loaders.

ate an additional value both in the process and in the final product.

For example, the Vision Line is equipped with a single electronic language allowing the communication among four pick&place robots upstream, the wrapping machine in the middle and the robotic island downstream (forming, filling and closing boxes). Still on this exhibited line, the integration of a 90° bend infeed shows the capability of modifying the layout according to the current needs (in this case the small stand space) allowing to save space.

The cookie line too, is inspired to the same principles of simplification and efficiency. It is equipped with three different loaders: MAF, SBF and TND. By means of the first two, the cookies are wrapped in slugs: the first loader (MAF) is numeric, the second (SBF) is volumetric. The third (TND) wraps the cookies in piles. With this second line, the company from Prato Sesia confirms its competence and its wide experience, reached after 50 years of history in handling cookies: the line is able to adjust to any product (round, square, rectangular cookies and also moulded, sandwiches, wire-cut); as an extra service the company also offer its customers the possibility to test their products to find out the best technical solution.

On the stand there will be two lines designed and manufactured by Synchrosys, the Italian company that has been part of

the group since last year: the first is the slice spreader, an equipment to lay the rusks on the oven grill for its toasting and guarantees the perfect alignment of its rows. The second, the dynamic buffer, is a new buffering system with a "mobile stacker", developed for the controlled accumulation of the coming products: it is able to recover the production after 20 minutes of machine stoppages.

Thanks to these solutions, Synchrosys proves to be the ideal partner: its wide experience in handling dry products – among

which bread, rusks and potatoes as well – furtherly completes and enriches the technological offer of Cavanna that this year will achieve an important innovation, though it cannot be exhibited at interpack: "We're applying the Lean Thinking philosophy to all our industrial process" – Riccardo Cavanna says – "to improve not only the efficiency of our solutions, but also the efficiency of our team: the goal is to reduce the lead time for the management and the assembling of our orders". ■

"We are family": Riccardo, Alessandra and Mario Cavanna (from left).



Photos: Cavanna