

# On the same wavelength

**Our Converter of the Month this time is the company Selig from Niederglatt in Switzerland. Most recently, the versatile company realised a machine project in cooperation with the megapak and Nordmeccanica team**

The Selig company is part of the internationally active Selig Group, which has plants in the UK, France, Canada and the USA and specialises in induction sealing inserts of all kinds, as well as foam sealing inserts.

At its site in Zurich, Selig employs around 80 people and manufactures seal inserts, packaging materials for pharmaceutical products, protective laminates against chemical warfare agents and a wide range of food packaging. The company is by far the world's largest manufacturer of all kinds of sealing inserts. With locations on all continents and a global sales and service network, Selig has been successful in this market for over 100 years.

## A highlight at the turn of the year

At the end of 2021, Selig was delighted to implement a joint project with the team from megapak and Nordmeccanica. Megapak in Hilden, Germany, as a project management and sales company, offers the know-how of some of the most important machine manufacturers in Italy – including Nordmeccanica. The company from Piacenza is one of the world's leading suppliers of equipment for

coating, laminating and metallizing.

The plan was to install and commission, as well as start-up and begin production of a combined LH/LF laminating machine from Nordmeccanica's "Duplex Combi Linear" series at Selig's facilities.

The two-year consultation, specification and project phase was dominated by the pandemic – but was nevertheless brought to a successful conclusion. The new machine was ready for factory testing at the end of July 2021 and was then delivered after the summer break.

## Versatile technology

The new high-quality coating and laminating machine has fully automatic duplex turret winders in unwind & rewind, an applicator in exchangeable carriage design for the various coating technologies and a high-performance dryer with pull-out air nozzles and supply air also from below to the web, as well as controlled recirculation to concentrate the process air.

The experts at megapak sum up: "The special challenge in this project was not so much the strict requirements in Switzerland

with regard to environmental issues and energy reduction, but rather the extremely demanding products that the customer Selig wants to manufacture on this new laminating machine."

These are mainly so-called sealings, i.e. closure materials for dairy products, ketchup, as well as lidding films for cosmetics and pharmaceuticals. In the production process, the

## INFORMATION

### The combined experience of six companies

Selig's history began in 1890, and after merging with a closure manufacturer in 1905, the company became known as the Hermetic Cap & Glass Company. Many successful decades followed; the liner business was introduced under the name Selig Group.

With the recent acquisitions of Unipac (2008), ISCO (2011) and PSI (2021), the Selig Group combines the core advantages, knowledge and rich history of these founding companies in the field of customised packaging and sealing solutions.

The Selig Group offers a comprehensive range of reliable, innovative and high-quality sealing and packaging solutions. The container sealing product lines include primary seals, induction seals, adhesive seals, induction bonding and vented sealing solutions. The flexible packaging solutions offer sustainable alternatives for all common single and multi-layer high barrier materials for food, pharmaceutical or technical applications.



Egidio Pascarella (left), production manager at Selig, and Dorian Bylo, application engineer at megapak



### The Nordmeccanica plant at Selig

12, 15 or 20µm thin and bare aluminium foil is unwound and coated from the main unwinder, then runs through the dryer and the sealing foil is laminated on from the infeed.

The special feature here is that the aluminium foil must be processed with absolutely no creases, wrinkles or marks. At Selig, it is important that the products of a company from a high-priced and cost-intensive location

like Zurich in Switzerland must clearly stand out from the competition in terms of quality. Therefore, their own demands on the new line and on the quality of the product were correspondingly high.

#### **Ambitious schedule was met**

Due to the optimal preparation at Selig as well as the cooperation of the project



### Schematic of a closure material from Selig

partners already during the project phase, and later also on-site, which is assessed by both sides as extraordinarily good and remarkably professional, the very ambitious schedule for the commissioning and start of production of this demanding machine was successfully met. ■

*Image sources: megapak, Selig*