

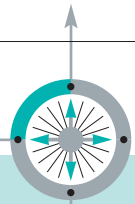
Solution Center

Ideas and Technology



WIPAK
André Schäfer

Training ←



How can packaging machine downtime be reduced?
Why does the tray film rip out of the chain during thermoforming?
Which pack styles will be in demand in the future? Wipak's customers will obtain **answers to these and many other questions** at its Solution Center.

Solution Center – training camp and innovation forum

Wipak's Solution Center is a training camp and innovation forum rolled into one. A training camp because we provide valuable basic knowledge to machine operators and technicians so that they can gain optimal results when processing our films. An innovation forum because together with our clients we look towards the future, develop and upgrade packaging concepts and implement innovative film solutions. We discuss market trends with marketing specialists and pack designers and lay the foundations for joint development projects.

By offering practical seminars, training sessions and workshops the Solution Center builds a bridge between today and tomorrow, between film processing and packaging design.



Training



We offer specific training programmes and workshops centering on packaging technology for **machine operators**. The one-day or two-day events focus on the practical aspects of film manufacturing and converting and on the interplay between the film, the pack contents and the equipment involved.

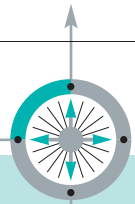
Which settings for **thermoforming** and **sealing** give **optimal** results?

As one of the world's leading manufacturers of high-quality films we are well aware of the complex problems machine operators come up against on a daily basis. The workshops give rapid and practicable solutions priority over theoretical background knowledge. In most cases minor adjustments are all that is necessary to eliminate problems arising with packaging machines.

At our pilot packaging facility we can simulate frequently recurring sources of errors and swiftly provide the appropriate solution. In addition, all participants receive a field-proven troubleshooting guide to help them quickly detect and remedy the cause of any faults.



Training ←



We tailor our training programmes to **your specific needs** – for machine operators, technicians, marketing experts, pack designers or purchasing managers.

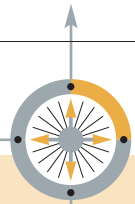
A vibrant **mix** relating to
theory and **practice**

The topics dealt with range from packaging technology, film production, environmental protection and waste management to new packaging concepts and pack designs. Get in touch with us for details.

- Training sessions, seminars and workshops – specifically for our customers
- Small groups with a maximum of 8 participants
- The subjects are tailored to the needs of the participants
- Our lecturers are experienced experts in the fields of development, production, technical service and printing
- If required, we additionally invite external lecturers based in science and industry



Process Optimization



Our state-of-the-art **pilot packaging facility** is equipped with everything required to convert theory into practice and to simulate field packaging operations.

Why is the **tray film formed** unevenly?

All commonly used packaging machinery and equipment is available in the pilot plant for extensive tests and trials:

- automatic thermoforming lines
- horizontal and vertical form/fill/seal (flowpack) machines
- vacuum packing appliances
- tray sealing equipment

In the course of development projects we test new pack designs as to their technical and practical feasibility, thus gaining valuable knowledge which we feed back into our ongoing development and upgrading programmes.



Process Optimization



Our pilot packaging facility gives our customers the certainty that the films we develop for them are perfectly suitable for processing on their packaging machines.

How can the packaging process be optimized?

As early as the development stage we can collaborate closely with you to devise the optimum packaging process and simulate virtually every different option. In doing so, we take all factors and production conditions into account in order to develop the ideal solution to meet your requirements.



Wie unverwundbar
Frischeibung

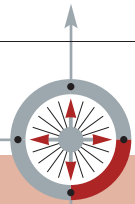
EDEKA
Mibell
Gouda
Sandwichscheiben
Schmelzkäse 45% Fett i. F.
12 Scheiben
Gouda

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Pack Design ←



Creative concepts are needed to allow products to stand out from competitor items. There is no limit to creativeness in terms of form, colour and functions. Or is there? Actual practice often shows that not all ideas are technically and/or economically feasible. Here again our Solution Center provides orientation and practical support.

Do you have innovative **packaging ideas?**
We'll turn them **into reality!**

Make full use of our expertise and market experience resulting from more than 40 years of film packs development and production. We will investigate how film packs can benefit your concept and where the limits are. We will help you specify the required features, select appropriate materials, develop and test prototypes – in short: we will ensure that you can implement your new pack concepts to meet market demands.

Our Solution Center acts as a bridge – linking developments and markets and making a key contribution towards accelerating the “time to market” process.



MULTIVAL R245

WIPAK
Pack Design

Zessoptimierung
Pack Design

Technical Service



The Solution Center incorporates our Technical Service Department, which provides local support to our customers worldwide on all matters concerning film processing and the optimization of their packaging processes.

Technical Service – the link between **markets** and **businesses**

Our proficient team of process engineers and technicians are familiar with our customers' requirements and have a profound knowledge of mechanical engineering. These experts are therefore able to respond rapidly and find the right solution for your processes and manufacturing operations.

In addition, they give vital impulses for ongoing films development, as they are active at the interface between the film users and our specialists in research and development, production and engineering. Their market proximity and customer intimacy enable us to continually upgrade processes and formulations.



For further information, please contact:

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