

CUSTOMER MAGAZINE

FLASH

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FLASH

EDITORIAL



Dear Customers

The topic of the circular economy is currently on everyone's lips. Both in the industry and among all stakeholders along the value chain, there is eager interest in what decisions will be made at the European level with regard to the Packaging and Packaging Waste Regulation (PPWR). It remains to be seen whether the European Parliament, the Council and the Commission will be able to agree on a common line before the parliamentary elections in 2024.

This topic is also very hot in Switzerland. With „Collection 2025“, a nationwide harmonized and flexible recycling system for plastic and beverage cartons is being created. Wipf AG is actively involved in this project. In the meantime, we have developed a wide range of solutions that comply with the principles of „Design4Recycling“.

In this issue, we would like to introduce you to two of these solutions in more detail: our new PE stand-up pouch with spout and another mono PP aroma protection valve. We have developed four valve families, made of PE and PP. Both variants can be perfectly combined with the corresponding mono-material film solutions. Thanks to our latest investment in machinery, we can also respond flexibly to rising valve demand.

By investing in our refrigeration and compressed air center, we have significantly reduced our energy consumption. In this way, we are ensuring that we will achieve our targets under the Science Based Target initiative (SBTi).

This year we once again attended a number of renowned trade shows around the world. We were able to welcome numerous visitors, hold interesting discussions and make valuable contacts. Perhaps you were also there to lay the foundation for a new successful project? We will continue to participate in selected trade shows in the future, as we remain convinced of the importance of personal exchange at such events.

Social commitment is close to our hearts, which is why we have joined the UN Global Compact. This initiative networks and motivates companies that are committed to corporate responsibility and sustainability. All participants undertake to align their corporate strategies, processes and corporate culture with the ten principles of the UN Global Compact.

We are proud of our apprentices. This year, we are once again supporting young, motivated people in learning their desired profession in our company. Apprentices make up around 10 % of our workforce and always bring a breath of fresh air to our day-to-day work.

I hope you enjoy reading this issue.

Cordially,

Oliver Fankhauser
CEO

A handwritten signature in blue ink, appearing to be 'O. Fankhauser', written over a light blue circular stamp.

SHORTNEWS



New Assembly Machine – Perfect for W6xy Valves

The valve business is booming and demand for our W606/616 valves is high. In order to be able to meet the strongly increased demand for valves, the machine park has now been extended. The new automatic valve assembly machine can be used for all valves of the W6xy series.

It is perfect for mounting the conventional W606 without filter, the W616 with filter and the bio compostable valves W606E and W616E, as well as the brand new recyclable mono-PP valves W609PP and W619PP. Also the assembly of the new liquid-repellent valve W629 is possible on this line.

Thanks to the new acquisition, Wipf can now further increase the production of all these internationally best-selling valve types outside Europe and thus further expand its market position. With innovative products, in proven quality at the highest level.



New Refrigeration and Compressed Air Center

In order to be up to date in terms of energy and climate protection, Wipf has updated both its own refrigeration and compressed air control centers.

Housed in a container on the company roof for space reasons, the new compressed air center filters and distributes the required compressed air and ensures that all systems in production are supplied with 6 to 7 bar. The heat generated in the process is no longer released into the atmosphere, but integrated back into the heating circuit.

Precise control of the cooling demand is now also possible, thanks to new machinery for the refrigeration center on the ground floor of production. By replacing the old refrigeration machines with five new CSV compact screw compressors with heat pump, the excess heat can now be used for heating in winter. This has resulted in a 20 % improvement in efficiency and a reduction in operating costs. Converted to the year 2022, this means a saving of 2 % of the annual electricity and approx. 25 % of the heating oil consumption. Convincing results that pay off in every respect.



Only from Wipf – Recyclable Mono-PP Valves

Recycling is in and sustainable packaging is in demand. Also for coffee packaging. Here the focus is on recyclable laminates, especially those made of mono-PE. Because these are perfectly suited for sealing standard WICOVALVE® valves.

Recyclable laminates made of mono-PP are even easier to handle in existing packaging lines. But until now, there were no suitable valves made of mono-PP.

Wipf has now closed this gap. With recyclable mono-PP valves available in all four dimensions. Wipf is one of few suppliers in the market to date – and once again proves its position as an innovative packaging company.

SETTING AN EXAMPLE

- For Ambitious Climate Protection!

Climate and environmental protection is everyone's business. Every citizen and every company is required to live and act in a resource-conserving and sustainable manner. For some time now, Wipf AG has been intensively and actively implementing sustainability measures in its own company and is committed to environmental protection and responsible resource management with various partners worldwide.

PERMANENT REDUCTION OF EMISSIONS

Leading by example is the motto at Wipf. Not just talk, but act. This also includes the responsible use of raw materials and resources. With its participation in the Science Based Target initiative (SBTi), an alliance of various organizations for the implementation of emission reduction targets in companies, Wipf is now taking a further step. To jointly achieve the targets of the Paris Agreement: limiting global warming to 1.5 °C.

To reduce greenhouse gas (GHG) emissions, scientifically based climate targets have been defined by SBTi. Special methods and criteria are used to support companies in the implementation and validation of their corporate targets. Individual key figures, determined depending on the respective company size, form the basis for all further measures to reduce emissions.

Individual company key figures are determined using special observation parameters for different scopes of the company's activity:

Scope 1 includes all direct GHG emissions in the respective company

Scope 2 includes indirect emissions from energy suppliers

Scope 3 the „gray“ energy includes the indirect emissions of upstream and downstream company processes (15 categories such as raw material production, transport, etc.)

TARGETS DEFINED FOR THE MEDIUM TERM

The key figures determined from Scope 1-3 form the basis for all targets that must be achieved in a maximum of 15 years. The target scope includes all major activities and emissions, except those already achieved to date. Green electricity is taken into account, offsets are not.

STATUS QUO

The company-relevant Scope 1 and 2 categories were already determined in the summer of 2022, and all annual or resilient emission factors were collected and reported. SBTi filing for Scope 1 and 2 was done in August 2022. Scope 3 data was also identified, entered into the database, and completed in June 2023. SBTi confirmation came in December 2022, and since then Wipf has been active and engaged in the implementation phase of Scope 1 and 2 reduction measures - as one of now more than 5900 participating companies worldwide.



NEXT STEPS

SBTi takes over the regular data control. This ensures that Wipf achieves the targets set to further reduce its carbon footprint. In addition, the company continues to work on energy and resource-saving options and innovative packaging ideas in order to protect the climate and the environment even better. After all, sustainability has many facets. It pays to get involved in this area. Today and in the future.

EXHIBITION DATES 2024

Find out about our innovations in the sustainable pouches at these trade shows:



Specialty Coffee Expo
12-14 April 2024, Chicago



World of Private Label
28-29 May 2024, Amsterdam

BENEFITS

Sustainable pouches from Wipf – All mono, all good

- Packaging made of mono-material consists of several layers of only one basic material
- Packaging made of mono-material is recyclable
- Mono-material packaging can be made of PE or PP films with barrier protection against MOSH/MOAH
- Mono-material packaging provides protection against UV radiation, moisture, external contamination and is robust enough for transport and use



The best example: our latest recyclable products - made sustainably from mono-material, of course!

The PE stand-up pouch with spout

The mono-material family from Wipf has grown further. The latest member of the family is the PE stand-up pouch with spout. The transparent OPE/PE pouch achieves good results in the drop test and is available both with and without a spout. This makes it a versatile packaging for a wide variety of products. Regardless of whether wet or dry filling goods, packaging is always possible without any problems. This makes it ideal for both the food and non-food sectors. Disposal is also no problem. After use, the pouch can be easily recycled. A clean thing - like all mono-material products from Wipf. Good for the product and good for the environment. Just like the following mono-material solutions:

PP stand-up pouch for vegan grated cheese

In the summer of 2022, Wipf was asked by the Mibelle Group to create an alternative offer to an existing stand-up pouch of a market competitor for the product vegan grated cheese.

In addition to the current PET/OPA/PE specification, Wipf also presented two alternative material structures. A downgauged

PETalox/PE pouch made of only two film layers with barrier. In addition, a pouch made of a triplex laminate with OPP/OPPAlox/CPP, completely recyclable thanks to its mono-PP structure.

The customer was enthusiastic – both about the proactive approach and the mono-PP alternative. Wipf therefore provided sample pouches in a smaller size for initial outsourcing. Based on the positive feedback, the selected laminate grade was fine-tuned accordingly in Wipf's R&D department. In addition, new sample pouches were produced for testing the machinability at Mibelle. These tests were also successful and the print order could be placed. A changeover from flexo to gravure printing also significantly improved the print quality. Now Mibelle has a recyclable pouch in optimized quality for its trendy product. Innovative and sustainable. Because better is always possible. Wipf knows how.

Mono-PP sealable snap-on lid

Specially designed for the food industry, this thermoformed lid replaces the die-cut lid and snap-on reclosure system. Its material: CPP/CPPpeel white in thickness 30/250 µm. Its advantages: reclosable, high color stability - and of course recyclable! Ideal for delicatessen products, dairy products and salads.

MINERAL OIL BARRIER

in Mono- and Polyolefin Laminates



It has been known since 1997 that mineral oil components can occur in food. Mineral oil saturated hydrocarbons (MOSH) and mineral oil aromatic hydrocarbons (MOAH) are parts of the relevant components. Both groups comprise thousands of different compounds.

Such mineral oil components are critical because they can accumulate in the body. It is still unclear what health consequences MOSH can have. Certain MOAH, on the other hand, are suspected of being cancerogenic.

SOURCES OF CONTAMINATION

MOSH/MOAH can enter food in different ways. A distinction is made between entry routes in the form of migration, through additives, or via contamination. The transfer of MOSH/MOAH into the food can occur through direct contact or exposure to gas.

Primary and secondary packaging made from recycled cardboard was particularly relevant for food manufacturers. For this reason, the packaging industry made various optimisations years ago to minimise the contamination of food with MOSH/MOAH. The following approaches proved to be effective:

- Use of virgin fibre cartons as primary packaging
- Use of a barrier layer in recycled cartons
- Use of inks with low mineral oil content

Although progress has been made in the industry, the German Federal Institute for Risk Assessment (BfR) continues to recommend the use of a functional MOSH/MOAH barrier between recycled material and food

OTHER POSSIBLE SOURCES OF MOSH/MOAH INPUT

In addition to the contamination of food with MOSH/MOAH through the recycling cartons, there are other possible sources of entry. These are less well known, but are now among the more relevant sources. These include, among others, MOSH/MOAH transitions into food through pesticides or fertilisers containing mineral oil, lubricating oils in agricultural machinery or contamination of the environment, which comes, for example, from exhaust gases, tyre abrasion or road surfaces. On the other hand, mineral oil components can be introduced directly along the food production process through, for example, unsuitable transport packaging or approved auxiliary materials.

LEGAL SITUATION

At EU level, there are no official legal maximum levels for MOSH and/or MOAH, neither for food nor for packaging. In contrast, the EU defined recommendations for the first time in summer 2022, when food should be withdrawn from the market based on its MOAH content. These are as follows:

- Dry foods with a fat content ≤ 4 %: 0.5 mg MOAH/kg
- Foods with a fat content > 4 %: 1 mg MOAH/kg
- Fats or oils: 2 mg MOAH/kg

MOSH, on the other hand, are considered non-critical contaminants by the EU, which is why they are not included in the current EU recommendation. Other countries, however, continue to define limit values for MOAH and MOSH. These must be observed when food is exported.



MEASURES TO PREVENT MOSH/MOAH CONTAMINATION

For the laminates from Wipf AG there are two relevant aspects to assess a possible migration or contamination with MOSH/MOAH. On one hand, it is examined whether the laminates themselves contain mineral oil components that could migrate into the food packaged into them. On the other hand, it is clarified whether the laminates have sufficient MOSH/MOAH barriers to prevent contamination of the packaged food from external sources.

Only very few raw materials used for manufacturing laminates at Wipf contain mineral oil components. In this case, they are highly purified substances (so-called white mineral oils) that may contain MOSH but no MOAH. If MOSH from the raw materials are contained in the laminates, it will only be in very low concentrations that cannot lead to any relevant contamination of the food packaged into them.

The classic Wipf laminates and the pouches made from them already have a good barrier against MOSH/MOAH. This is because they usually always contain at least one layer of aluminium (ALU), polyethylene terephthalate (PET) and/or polyamide (PA), which almost completely prevent the transfer of MOSH/MOAH. Packaged in this way, food is sufficiently protected from contamination.

Mono- or polyolefin laminates usually lack an ALU, PET or PA layer. Therefore, depending on the framework conditions, there may be a need for action here to prevent MOSH/MOAH contamination of the



Charlotta Jung
Regulatory Affairs and Compliance

„Compliance of our packaging, including our packaging made of mono- or polyolefin material, is our top priority. To this end, we continuously monitor changes in legislation and regulatory requirements and work closely with our internal departments as well as with our customers, our suppliers and the relevant associations.“

food from the outside. Wipf AG has various polyethylene and polypropylene films available for this purpose, which contain a proven functional barrier against MOSH/MOAH. If you have any questions regarding the targeted protection of products, the Wipf AG sales or development team will be happy to help.



Factsheet Mineral Oil Barrier

UN GLOBAL COMPACT

For Sustainable
Corporate Governance
– Wipf Is in for It!



Within the worldwide UN Global Compact initiative, more than 23,000 companies are already networking and motivating each other to commit themselves to more corporate responsibility and sustainability. With a cross-sector and cross-border way of globalisation through appropriate strategies and activities to promote innovative solutions for the realisation of the Sustainable Development Goals (SDGs).

Wipf AG is now also part of the official UN Global Compact platform – as one of more than 300 companies in Switzerland and Liechtenstein. All participants see it as their duty to align their corporate strategies, processes and cultures with the Ten Principles of the UN Global Compact in the areas of human rights, labour standards, the environment and anti-corruption. The UN Sustainable Development Goals (SDGs) are also comprehensively taken into account.

The ten principles of the UN Global Compact are derived from: the Universal Declaration of Human Rights, the International Labour Organization's Declaration on Fundamental Principles and Rights at Work, the Rio Declaration on Environment and Development, and the United Nations Convention against Corruption.

HUMAN RIGHTS

Principle 1 – Businesses should support and respect the protection of internationally proclaimed human rights; and

Principle 2 – ensure that they are not complicit in human rights abuses.

LABOUR

Principle 3 – Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining.

Principle 4 – the elimination of all forms of forced and compulsory labour;

Principle 5 – the effective abolition of child labour; and

Principle 6 – the elimination of discrimination in respect of employment and occupation.

ENVIRONMENT

Principle 7 – Businesses should support a precautionary approach to environmental challenges.

Principle 8 – Take initiatives to promote a greater sense of responsibility for the environment; and

Principle 9 – encourage the development and diffusion of environmentally friendly technologies.

ANTI-CORRUPTION

Principle 10 – Businesses should work against corruption in all its forms, including extortion and bribery.



„For Wipf, sustainable thinking and action are not just lip service, but a necessary obligation - for our future.“

All these principles are important components of Wipf AG's corporate identity. This includes the company, employees, business partners and customers, the environment and nature. However, the commitment to a sustainable future also means comprehensive economic, ecological and social investments. Wipf is facing up to this major challenge. Sees the tasks that arise from it – and finds solutions. Today and tomorrow. For all of us.

WIPF EMPLOYEES Celebrate Together...



...the Summer

On June 6, 2023, the summer event of Wipf AG & Michel Werkzeugbau AG took place and transformed the company premises into a place full of fun, good food and a cool atmosphere. There were many culinary delights, ranging from various Thai dishes to hearty burgers. The gelato food truck as well as the cocktail bar were the other culinary highlights of the evening.

The rocking party band provided great musical entertainment and there was plenty of dancing, laughing and partying until late in the evening.



WE ARE
the New...



Apprentices from left to right

Gabriel Hug, Rinor Ibrahim, Djordje Trkulja, Mersel Kabashi, Dion Kacenija, Victoria Nduta, Endi Drmaku, Alice Luc, Davide Nuñez Hernandez

STRONG NEW TALENTS for Wipf AG

The Wipf family has grown once again: since August 2023, the company has 12 new employees. Because that's how many new apprentices are now being trained in various areas and subsidiaries. Nine of the 12 new apprentices work at Wipf AG itself, and three at Michel Werkzeugbau AG. Together with the 12 apprentices who have already started in recent years, the company now employs a total of 24 apprentices.

Even though the apprenticeships are quite different, all apprentices have one thing in common: They are looking forward to the new exciting challenges and also the benefits that Wipf brings with it: On one hand, six weeks vacation in all three apprenticeship years and good pay in all apprenticeships. On the other hand, the possibility to improve the salary even further with good grades in school and work performance. Furthermore, the costs of teaching materials are covered and a contribution to the cost of a laptop for vocational school is also offered. In addition, all apprentices can participate in an annual apprenticeship project. Also very important: the annual apprentice excursion, which is always a lot of fun for everyone involved.

The training of young people is very important to Wipf AG. Because a good job is the basis for a good life. That is why the company is strongly committed to strong young talent and promotes all apprentices as optimally as possible. For their future and the future of the company. Because we can't do without young people.

SO WE WOULD LIKE TO WELCOME

- Djordje Trkulja and Dion Kacenija as gravure printing apprentices
- Victoria Nduta and Gabriel Hug as digital printing apprentices
- Rinor Ibrahim as laminating operator apprentice
- Endi Drmaku as slitting operator apprentice
- Alice Luc and Mersel Kabashi as administrative apprentices.

Michel Werkzeugbau AG welcomes Michelangelo Lanteri and Luca Polimeni as apprentices in plastics technology and Danilo Stevanovic as apprentice in polymechanics.

The company and all colleagues are looking forward to welcoming you. We wish you a wonderful, instructive and exciting time - let's shape the future together!

WE AT WIPF are committed to...



HOLIDAY CAMP HÜTTENBAU SEEN

Every year, with the support of Wipf AG, a one-week children's holiday camp is held in the summer holidays by the association Abenteuer Hüttenbau Seen. This year with 65 children and 19 leaders and the theme „Rome and its gladiators“. Under professional supervision, a wooden coliseum and four huts were built. Games, fun and adventure were always provided and on the last evening everyone spent the night in the self-built huts. A really great experience for the little gladiators from the age of eight.



CYCLING CLUB VOLKETSWIL

A club for mountain bike enthusiasts with 180 members, 72 of whom are juniors from the age of 6. The offer includes weekly training sessions in age-appropriate groups. In summer outside with the mountain bike or in winter in the sports hall without the bike. Once a year, the club organises the Bike World Race Series in Uster with about 70 helpers and more than 400 highly motivated bikers. The gift table with sponsor articles, also from Wipf, is another highlight for all participants in addition to the exciting races.



VAULTING GROUP GARTEN

The traditional vaulting competition at the Gmeiwerc equestrian centre in Turbenthal (CH) challenges the participants in a very special way every year: the 200 or so children and young people not only perform demanding acrobatics on horseback, but also interpret a motto with matching music, dressed up in make-up and costumes. The vaulters come from all over Switzerland and delight more than 500 spectators. This popular equestrian event is organised by the Garten Vaulting Group Association and supported by Wipf with a sponsorship commitment.

IMPRINT

Publisher

Wipf AG
Industriestrasse 29, P.O. Box
CH-8604 Volketswil
Phone +41 44 947 22 11
info@wipf.ch
www.wipf.ch
www.wipfgruppe.ch

Responsible for the content – K. Heck, Marketing Manager

Editing/Production – Wipf AG, Marketing
Published once a year/Available online as PDF at www.wipf.ch

Design – communication and brands
Markus Völcker, Creative Direction and Consulting, D-55252 Mainz-Kastel
www.communication-brands.de

Printing Company – Flyerline Schweiz AG
Landstrasse 30, CH-8595 Altnau, www.flyerline.ch

Photos – Wipf AG, Mirco Rederlechner, www.easypictures.ch,
iStock.com/hh5800, [iStock.com/FG Trade Latin](https://iStock.com/FG_Trade_Latin), [iStock.com/Dilok Klaisataporn](https://iStock.com/Dilok_Klaisataporn)

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