

# HIGH LIGHT

**GRUNWALD**<sup>®</sup>  
Dosing · Filling · Packing



GRUNWALD's customer magazine no. 53 / September 2022



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## EDITORIAL



In the editorial of our customer magazine HIGHLIGHT, August 2021 edition, we announced the planned extension of our production area by approx. 1,400 square metres (see sketch below). In the middle of June 2022, the first diggers have arrived and prepared the soil for the new foundations. This is Grunwald's ninth expansion. Four of these buildings will solely be used as additional assembly space.

Despite the worldwide situation we needed to take this urgent and necessary step. Over the last three years, space has been restricted in the three existing assembly halls. The lack of space meant ready-built machines needed to be relocated quickly, which required additional work. The new assembly hall will provide sufficient room.

Thanks to the continuing high demand for GRUNWALD filling and packaging machines, our orders remain high and enable us to realise this building project, as well as further additional measurements will help to secure our future.

The building of 'assembly hall 4' means an extension of the assembly space by approx. 700 square metres and will mainly be used to increase the capacity for assembling linear machines. Due to the available height of 6.50 metres, it offers the great advantage for assembling large machines or also inline machines with packaging material feeding from the upper floor or the second floor. The filling and packaging lines can be completely assembled and tested in our factory for pre-

acceptance tests. In addition, two gantries, with a total load of 12.8 tonnes, will be installed in this assembly hall so that the inline machines can be safely lifted and relocated.

In order to update the electrical infrastructure, we have also invested in a new electrical transformer station. In the future, 2 high-speed quick charger columns with a total of 4 charging points for electrical cars will be installed next to our parking lot. At the end of 2021 we installed three additional chipping machines with a total value of 1.1 million euros. These machines are expected to be delivered and installed this year.

To build on the efficient 1,200 square metre tube photovoltaic plant we mounted on the flat roofs of our production and assembly hall in 2010, additional photovoltaic systems will be installed in order to guarantee a secure, sustainable and independent power supply. For 2023, an expansion with more than 600 kWp (a performance of 600,000 kilo watt hours) has been planned.

Our aim is to satisfy our customers. We will do our very best to continue to be your reliable partner, especially with deadlines, delivery reliability and reliable response times. We will do everything in our power to meet your requirements.

Yours  
Ralf Müller  
and the **GRUNWALD-Team**



## COVER

GRUNWALD-exhibition stand  
FACHPACK 2022 in Nuremberg  
27 - 29 September 2022

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## GRUNWALD NEWS

## An eventful business career – it was a wonderful time!



When I started at GRUNWALD in July 1981, I had no idea what an incredible company I was joining – so much so that I stayed with GRUNWALD until retirement age.

In my first years as a sales employee, my main focus was the dairy and ice-cream industry. Eventually, I also sold devices and equipment to the cosmetics industry for suppliers for which GRUNWALD was the sales agent in Germany.

In the middle of the 80s, the gradual expansion of the second-hand machine business for reconditioned cup filling machines of different manufacturing brands across the world began and the transformation

of today's GRUNWALD GmbH. The company, which was founded as a trading organisation, developed into a major engineering company and internationally recognised specialist for fully-automatic cup and bucket filling machines.

I clearly remember the start of our sales activities for the new GRUNWALD-ROTARY models with potential new customers at home and abroad. At the same time, we had to compete with established competitors. That was a time with a lot of challenges, setbacks and existential worries but also marvellous stories of success.

When I reflect on GRUNWALD's development over the last four decades, including the rapid increase in the number of employees, the enormous building activities, the expansion of the production site and the continuous development of the GRUNWALD machinery, I am very happy and proud of what we have created together as a team and as the GRUNWALD family.

But such a positive development of the GRUNWALD company would not have been possible without you – our customers and business partners. You often gave us new inspiration with your requirements and pushed our innovations. With joy and gratitude, I remember numerous business trips, outstanding customer discussions with partners from different countries and sectors, and friendships over the years – all of which I will never forget.

As a distribution partner, I was always eager to partner with you to find the best and most economical solution for your application and your company. I hope that I succeeded in fulfilling your wishes and requirements in as many cases as possible.

After an unforgettable and exciting 41 years at GRUNWALD company, I started my retirement at the end of June. I will now spend more time with my family and friends and enjoy longer holidays and camping.

I would like to cordially thank the Müller family, especially Edwin and Ralf – for your huge trust and unlimited support over the years. I also want to say thank you to all of my colleagues who have supported me so unconditionally at any time.

With mixed emotions, I say goodbye to my customers and business partners. You entrusted me with your projects and company development and I appreciate you all.

Finally, a special farewell goes to all our colleagues of GRUNWALD UK, who always supported me in an excellent way – I have become so attached to my English GRUNWALD family!

Thank you so much for the beautiful time together and "auf Wiedersehen" or, as one says in the mountains of Allgäu – "Pfiat Euch".



## Dear Done,

After more than four decades as part of our GRUNWALD family, your colleagues and I would like to express our most sincere gratitude to you. With 41 years with the company, you are, together with my father, the absolute record holder in terms of years of service at GRUNWALD. Such a long time with the same company is both remarkable and unique in these days. When you started at GRUNWALD, we had just opened our new Atzenberg location. At the time, we were still a small dealership with about 8 members of staff – a true family business.

You took on a lot of responsibility within our company right from the outset and you also very quickly familiarised yourself with our technology. You experienced first-hand how our company gradually turned from a sales representative and second-hand machine dealer into a machine manufacturer at the end of the 1980s. In 1988, you became authorised signatory and later Sales Manager.

You always showed exceptional commitment to GRUNWALD. Minimum working hours only existed on paper for you. Whenever you did leave work at 5 p.m., you usually joked that you were taking the afternoon off. Everyone here at GRUNWALD has always admired you for your exceptional team spirit, your profound skills and knowledge and your expert advice in all matters. Your appreciation and respect for all customers, colleagues and fellow human beings is second to none. Supporting you in all your business endeavours was always a great pleasure.

As Sales Manager and authorised signatory, you played a key role in GRUNWALD's extraordinary growth, the effects of which can still be felt today. From the mid-1990s onwards, you steadily expanded our sales network abroad. On your numerous trips to countries near and far, you put GRUNWALD on the map as a manufacturer of new machines all around the globe. Your tremendous motivation and enthusiasm have been a driving force behind the enormous development and growth of GRUNWALD as a mechanical engineering company. In the UK, our partner GRUNWALD UK is now market leader for cup and bucket filling machines. Thanks to your relentless commitment, the British market has turned into the most important and largest market for GRUNWALD outside of Germany.

But you were also responsible for a number of other markets around the world: Australia, Asia, Africa, North America, Southern Europe and France. You literally burned the midnight oil to build incredible things.

With your openness and eagerness to help, we have all learnt a lot from you.

And now you have reached yet another milestone!

You can proudly look back at your extremely successful career and look forward to the next chapter. Together, we have been paving the way for your transition from one stage of your life to the next for the past two years or so by starting to transfer responsibility for certain markets to different colleagues. In the meantime, the last sales regions have been handed over to our colleague Patrick Wagner to ensure a seamless transition.

Due to the pandemic, you only managed to say goodbye in person and introduce your successors to a few customers, but please be assured that your colleagues will do their very best to continue to serve and advise your clients in the best possible way. Knowing that your colleagues are doing everything in their power to honour your legacy, you can now sit back and enjoy your well-deserved retirement.

I cannot express enough gratitude for your incredible commitment to GRUNWALD. Every trip and every event we went on together were a tremendous pleasure.

I would like to thank you for the many wonderful hours we spent together at company events and private parties alike.

And I would also like to thank you for your humour and for always being in a good mood. Whether during or outside of working hours, you were always up for a good laugh and a fantastic time. We are glad that you have always felt at home in our GRUNWALD family and that you have made many friends.

We will dearly miss you as our fatherly friend and colleague, and we hope that you will gladly accept our lifelong invitation to our Bavarian veal sausage events, the "Almtreff" and our annual summer party at the "GRUNWALD-ALM" as often as possible. Even though you are no longer an active member of the GRUNWALD family, you are always welcome at company parties and social sales events.

Who knows – you might even be giving boules lessons on the company's own boules court soon? They would no doubt be booked up in no time!

I hope you will enjoy this new chapter of your life to the fullest with family and friends, and that your caravan will be put to good use for many years to come. Have a good time and stay healthy. Thank you from the bottom of our hearts, Done! It has been a blast!

SEE YOU at the "GRUNWALD-ALM"

Yours,



## Thank you Anton Alt



We at Grunwald UK join our colleagues at Grunwald GmbH in thanking Anton for his incredible service at Grunwald over the last 41 years and wish him the best for his retirement.

Anton's contribution to Grunwald in the UK has been remarkable, he has been involved in every machine order from the first in 1995 to the most recent business won in the last few days.

This however does not tell the full story. His positive and professional character combined with his high levels of ethics and values means that he has developed strong and trusting relationships with our customers and mentored all of us at Grunwald UK LTD. Without his input we would not exist let alone be successful.

We will work to continue to develop the business to the level and standard he has set and always be grateful for his influence and guidance over the last 20+ years. "What would Anton do?" will be the question we will always ask ourselves to find the right solution.

*On the photo from left to the right:*  
**James Causebrook** (Managing Director Grunwald UK, IRE and USA - Vice Chairman PPMA Group of Associations Director),  
**Anton Alt** (Sales Director GRUNWALD GmbH),  
**Catherine Causebrook**, Commercial and HR Director,  
**Samantha Smith**, (Operations and Projects Director)

## A solid partnership for the future



Following the retirement of Anton Alt - James Causebrook and Samantha Smith of Grunwald UK, Ireland and USA welcome the new working relationship with Patrick Wagner continuing to work together looking after the UK, Irish and US territory. We are happy to working together and look forward positively to our future cooperation.

*Photo in front of the GRUNWALD-Alm - from left to the right:*  
**Patrick Wagner**, Sales Manager Grunwald GmbH  
**Samantha Smith**, Operations and Projects Director Grunwald UK, IRE and USA  
**James Causebrook**, Managing Director Grunwald UK, IRE and USA;  
 Vice Chairman PPMA Group of Associations,

## GRUNWALD invests in labour to rely upon

In 2000, Grunwald started training one or two young people as mechatronics engineers. Since that time, the number of trainees and training positions on offer have increased to reflect the total number of employees. Currently, Grunwald trains 22 young people in eight different courses of study each year, thus securing their own qualified skilled labour and competitive edge.

Through advertising and word of mouth, Grunwald has given numerous young people a career opportunity at a time when markets are difficult and the willingness to train is decreasing. We are proud that a wonderful group of motivated young people have commenced training this year and all current training positions have been filled.

The job of the mechatronics engineer is an important one. For this reason, and because Grunwald also has a great need for skilled mechatronics engineers, four trainees will start their training in autumn 2022. These four young people completed a one-week internship in the training workshop at Grunwald before officially joining the Grunwald team.

This offered them the opportunity of getting more information about this profession directly from the responsible trainer, Michael Assfalk, and test their own skills with small,

practical tasks in order to be sure that they have chosen the right profession.

### Training at Grunwald means much more than just getting exercises

With its wide-ranging and customised training programme, Grunwald offers young people professional opportunities and a variety of possibilities for development. After having completed their training, they can either continue working with Grunwald as skilled workers or gain further qualifications by studying at university.

Training at Grunwald also means being able to show your own ideas and that you are good at handicrafts. Being part of the team, the young people face the challenges of balancing training with work. Every year, our trainees show that they can achieve something awesome.

### Excellent training completion

All of Grunwald's trainees completed their exams with great success. Three of these young people were awarded a prize this year for their outstanding performance.

One of them is **Marlene Kempter**. She reduced her training period to two years by starting with the second year of training. Due to her great willingness to learn but also

thanks to the great support from her trainer **Martina Fischle** and her team – more than 30 colleagues from the design department – she successfully passed the intermediate examination after 6 months and was awarded a prize. She completed her training with 91 out of 100 points which means a grade of 1.5.

**Martino Mösle** and his trainer **Michael Assfalk** should also be proud of Martino's excellent performance during his training as a mechatronics engineer. Martino completed his training with 90 out of 100 points which means a grade of 1.6.

**Hannah Durach** also reduced her training by one year. She was awarded a prize for her exceptional performance. She achieved 88 out of 100 points which means a grade of 1.7. Her trainers **Christian Hasel** and **Christian Kühnapfel**, but also her colleagues who supported her during the training period, are very proud of Hannah. By the way, Hannah also took a great share in the posts of our trainees from **grunwald\_karriere** in the Instagram team. Have a look!

The entire Grunwald family congratulates all of the extremely talented young professionals for successfully completing their training and wishes them all a good start to their professional careers

*The following trainees successfully completed their training resp. dual study programme (from left to the right):*

**Hannah Durach** (industrial management assistant),  
**Ronja Kirsner** (industrial management assistant with additional qualification in international management with foreign languages),  
**Simon Natterer** (dual course of study in Mechanical Engineering – Production Technology),  
**Martino Mösle** and **Raphael Schöllhorn** (both mechatronics engineers) as well as  
**Marlene Kempter** (technical product designer)





## Nothing but the best will do

### To fill delicatessen salads flexibly and 100% allergen free

#### MAYO AT A GLANCE

<b>Founded</b>	in Lübeck-Schlutup in 1976
<b>Located</b>	in Lübeck-Siems since 2008
<b>Merger</b>	since 2012 part of the Wernsing group
<b>Range of products</b>	self-service and counter delicatessen salads, sauces and dips
<b>employees</b>	approx. 70
<b>Sale</b>	North to Middle Germany; with their own logistic chain
<b>Certificates</b>	HACCP and IFS

With a remarkable development, the company Neue MAYO Feinkost GmbH has created a sales area from the Danish border to the Sauerland and from the North Sea coast to Frankfurt/Oder. In 2008, the company moved into a new factory in Lübeck-Siems on the other side of the river Trave, which meets the highest standards of hygiene and product safety. They supply their products with their own refrigerated vehicles throughout this sales area.

[www.mayo-feinkost.de](http://www.mayo-feinkost.de)

Photo: Neue MAYO Feinkost GmbH

The history of Neue MAYO Feinkost GmbH began in 1976. Since then, the company has been advertising the slogan: "Nothing but the best will do".

The traditional company in the north of Germany has long been known for its broad assortment of high-grade fish, meat and vegetable salads. Quality and standardisation have a special high place value and consumers can rely on buying healthy and quality goods.

#### The GRUNWALD-ROTARY makes the difference

With the order placement for the company has made a future-proof and important investment to optimise production processes, especially in terms of filling small batches, by ordering a 2-lane GRUNWALD cup filling machine for pumpable delicatessen salads, equipped with the proven mobile dosing system "GRUNWALD-MOBIFILL".

#### Guaranteed allergen-free filling

This 2-lane GRUNWALD cup filling machine is equipped with two mobile dosing systems. These dosing systems are used in combination or alternately. Therefore the product change can be carried out in a very comfortable way and within 3 – 5 minutes. At the same time allergen-free filling is guaranteed as all parts in contact with the

product are replaced when the dosing systems are exchanged. Production continues without interruption.

According to our customers from the delicatessen industry, they can fill up to 40 different products on a rotary-type GRUNWALD machine every day due to the use of these mobile dosing systems.

This technology, specially developed by GRUNWALD, allows for a quick and thus frequent product change. The decisive factor is that the complete dosing unit, including all product contact parts, can be removed from the machine without tools and in just a few steps. While production continues, these mobile dosing systems are cleaned in a separate washing room.

The GRUNWALD cup filling machine supplied to Neue MAYO Feinkost GmbH is equipped with such a quick-change system for mobile dosing systems. All product-specific setting values of the dosing systems are stored in the filling machine. If several dosing systems are used, time-consuming re-adjustments or setting of the values are no longer necessary. This is extremely important for frequent product changes and when filling small batches. The handling can even be optimised by purchasing additional format-related parts so that this rotary-type cup filling machine can be operated by one machine operator.

We are pleased that Neue MAYO Feinkost GmbH benefits from the advantages of the dosing system. "GRUNWALD-MOBIFILL" which was specially developed for the delicatessen industry and we look forward to continuing to work closely with Neue MAYO Feinkost GmbH.

The GRUNWALD-ROTARY concept has been a success story from the very beginning. Each innovative idea and improved technical knowhow contribute to this evolving story as the rotary-type machine continues to develop. These machines can also be individualised to meet the needs to our customers with many technical features on offer.

In the version shown below, the GRUNWALD-ROTARY 6.000 for example has a specially shaped hopper for frequent product

changes and for filling very small volumes of approx. 30 kg. And because each gram counts, our development engineers once again found a customised solution that will guarantee a perfect filling accuracy even with small volumes. As is so often the case, the solution in this task as well, was in the detail to guarantee a perfect filling accuracy for the products, even with the smallest filling volumes. It was a pleasure for us to solve this problem. This solution will not only benefit Neue MAYO Feinkost GmbH but many customers in future.



#### DETAILS ON THE MACHINE



#### ROTARY 6.000

Dimensions: 1,500 x 1,500 mm  
1- to 4-lane design  
Up to 12,000 cups/h  
depending on product, packing materials and fill volume

#### CONTACT

If you are interested in receiving further information or if you are looking for a solution for your filling application please do not hesitate to contact us.

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## GRUNWALD NEWS

## Reorganisation of GRUNWALD Sales Department

### Company reaches all-time sales record



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After the retirement of long-time executive Sales Managers **Anton Alt** and **Martin Rädler**, GRUNWALD has reorganised its Sales Department. The changes came into effect on 1<sup>st</sup> July.

In order to guarantee business continuity and efficiency, Stefan Sacher, Christoph Trunzer and Oliver Hartmann have all been granted power of attorney.

In his new position as **Sales Director Business Development**, **Stefan Sacher** is responsible for the expansion of the worldwide markets and marketing management. Furthermore, he is responsible for the individual markets in Southern Germany, Switzerland and Austria (DACH), France, Hungary, Ukraine, Russia, Middle East, South Africa, the Maghreb States. He is also in charge of GRUNWALD SEE which is located in Zagreb, Croatia.

As **Sales Director Global Market** **Christoph Trunzer** is responsible to manage and intensify the sales activities worldwide. He is also responsible for markets in Northern Germany, in Europe for Belgium, Luxembourg, the Netherlands and Poland as well as worldwide for countries such as Australia, China, India and New Zealand.

In his new position as **Sales Director Services**, **Oliver Hartmann** is responsible for international contracting as well as for worldwide, country-specific offer and order management. Together with his team, he supports the sales staff in their daily work. In addition, he continues to manage the entire internal sales team.



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Dairy Technologist

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The Sales Department is supported by Peter Aalund, Patrick Wagner and Vedran Jakopas.

**Peter Aalund**, who lives in Denmark, will oversee in his new position as **Sales Director Nordic** as well as **Dairy Technologist** the Scandinavian markets. In addition, he is responsible for special applications in the dairy sector worldwide.

**Sales Manager Patrick Wagner** is the contact person for customers in Greece, Spain, Portugal, South America and will also support GRUNWALD UK.



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Sales Manager

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**Vedran Jakopas** is the **Sales Manager** of **Grunwald SEE** located in Zagreb and is responsible for the markets of the geographical territory of ex-Yugoslavian countries, Romania, Bulgaria and Italy

GRUNWALD has come through this unprecedented global pandemic to record an all-time high in orders on hand for 2021. Due to the excellent order situation, a significant increase in turnover of 8.6 % was achieved. GRUNWALD Directors believe that the reason for the ever-increasing success is the adherence to deadlines and the quality of their machinery, as well as the reliable work of the After Sales team.

Moving forward, the extension of the sales areas as well as the expansion of the production capacities have top priority. A fact that this is being actively worked on is clearly visible at the Wangen site. Since June, construction work has been underway on the industrial site Atzenberg for a fourth assembly hall with a surface of more than 700 m<sup>2</sup>.



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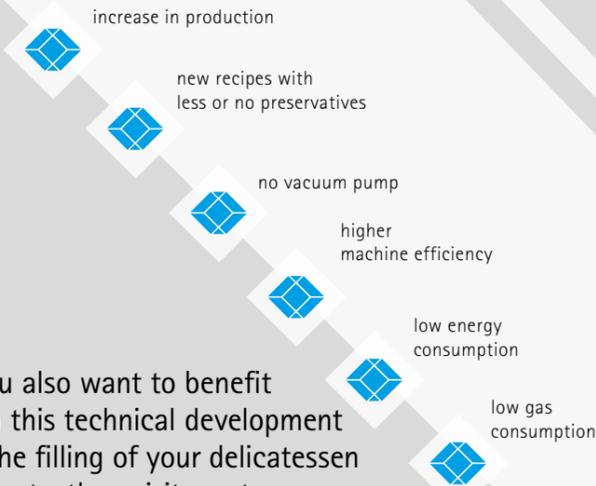
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**INVITATION** to the  
in Nuremberg  
from 27. - 29.09.2022



**YOUR ADVANTAGES**



**The milestone for the delicatessen industry: it also works without evacuation!**

**This allows you to produce**

- at full cycle speed,
- at up to 40 cycles/minute and achieve
- a residual oxygen value of less than 0.5 % in the headspace of the cup – without reduction in output!

**GRUNWALD, the world of a true pioneer, makes it possible!**

We will be pleased to inform you about our newly developed gassing system on our exhibition machine

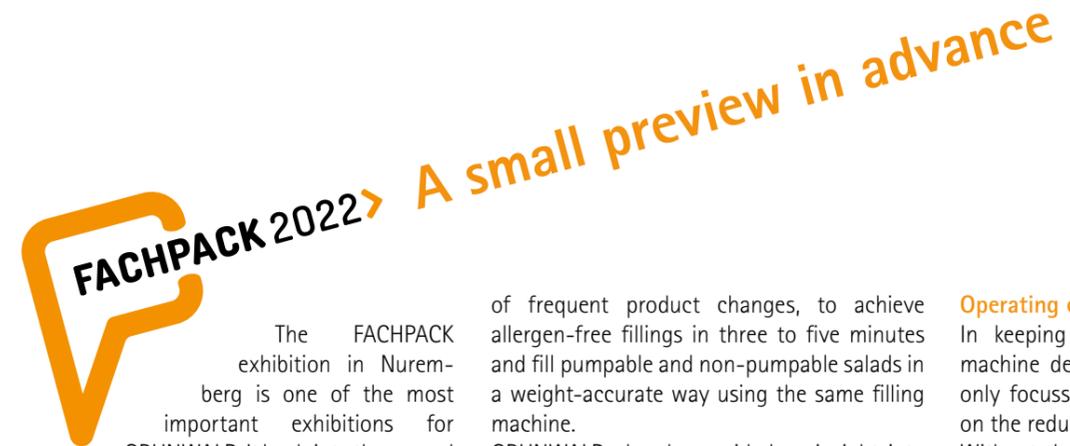
**Grunwald-Rotary 6.000/2-lane**

- Products: Delicatessen salads
- Cup: Octagonal cup
- Lid: Plastic sealing film from the reel + snap-on lid

If you also want to benefit from this technical development for the filling of your delicatessen products, then visit us at our GRUNWALD-ALM in **Hall 2, Stand 2-402**.

Would you like to have free admission on all 3 days of the exhibition? Please then feel free to ask for our voucher code for the 3 days' ticket at [info@grunwald-wangen.de](mailto:info@grunwald-wangen.de) or at **Phone +49 (0)7522-9705-0**.

We look forward to your visit and to seeing you again in Nuremberg.



The FACHPACK exhibition in Nuremberg is one of the most important exhibitions for GRUNWALD. It leads into the second half of the exhibition year and provides an opportunity to present technical innovations and current product developments at our GRUNWALD-ALM being undertaken by our engineers and designers.

**Milestone for the delicatessen industry**  
The main focus of this year's FACHPACK stand will be the delicatessen industry. In the past few years, we have worked hard to develop suitable technical solutions to meet the increased demands of the delicatessen industry. This includes the trend towards smaller filling volumes and the need for technical solutions that reduce downtime of the filling machines, even in the case

of frequent product changes, to achieve allergen-free fillings in three to five minutes and fill pumpable and non-pumpable salads in a weight-accurate way using the same filling machine. GRUNWALD already provided an insight into this issue in spring with the pre-announcement in our customer magazine Highlight no. 52, April 2022 edition, "it also works without evacuation".

Our next aim was to find a solution for the use of re-closable and sustainable packaging that would extend shelf life while maintaining freshness and sealing the filled cups with the lowest possible remaining oxygen value in the cup. This was successfully implemented by our development engineers! Due to our newly developed gas injection system the shelf life of the products is extended even in the case of a low remaining oxygen value without the need of evacuation.

**Operating costs at the focal point**  
In keeping with its pioneering spirit, the machine development at GRUNWALD is not only focussed on the pure machine but also on the reduction of the operating costs. Without the evacuation process and because a vacuum pump will no longer be required, the operating costs will be reduced and significantly optimised due to the lower energy consumption and reduced gas consumption combined with the higher increase in production.

We are pleased to be able to present a GRUNWALD rotary-type machine for the delicatessen industry live at this year's FACHPACK 2022 in Nuremberg at our **stand in hall 2, stand 2-402**. This rotary-type machine is in a class of its own! It is equipped with mobile fillers as well as the new developments mentioned in this text – and also with the special feature for the delicatessen industry. We will be happy to provide you with further information and look forward to seeing you at the exhibition.



*Photo: Gas injection system developed by GRUNWALD. It is now possible to produce at full cycle speed with up to 40 cycles/min. without restriction in output and at the same time achieving a residual oxygen value of < 0.5 % in the headspace of the cup.*

**CONTACT**

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## Exciting technologies and precise filling technologies

### GRUNWALD machine solutions put your products in the limelight



1-lane GRUNWALD-FLEXODOS for filling non-pumpable, free flowing products, connected to the dock-in station of a cup filling machine type GRUNWALD-ROTARY 12.000. Alternatively, a mobile piston filler type MOBIFILL for pumpable products can be connected at the same position in exchange for the FLEXODOS

The consumer's request for healthy food, "light" salads and new taste experiences is more than just a trend in the delicatessen industry. This is why in addition to mayonnaise-based, pumpable salads products such as

- couscous salad
- bulgur salad
- flaked tuna salad
- carrot salad
- pasta salads

have found their permanent place in the chiller cabinet and are an attractive alternative to mayonnaise-based salads for the consumer. All these products have one thing in common: they are non-pumpable. However, a wider variety of products means decreasing batch sizes in production.

#### The unbeatable machine solution for the delicatessen industry

For filling a multitude of different products the existing concept for an inline machine was our standard solution, as the stations for

the individual fillers could be mounted one after the other along the particular machine length. However, this is subject to high space requirements and ultimately a higher financial investment.

With its small footprint and a very attractive price, the rotary-type GRUNWALD-ROTARY with its modular structure impresses with its unbeatable "one for all" solution with complete process reliability, maximum flexibility and enormous performance. Everything is possible in only 3 x 2.2 m.

With this unique GRUNWALD machine solution, we have created the maximum possible flexibility for the delicatessen industry in terms of format and production flexibility. Thus the daily production planning can take place in an ideal way and with an infinite number of options.

#### Advantages of mobile GRUNWALD-dosing machines

With a compact design of the cup filling machine and with the selection of different mobile dosing machines

- MOBIFILL (for pumpable products)
- FLEXODOS (for non-pumpable products)
- SEMIDOS (for brine and sauces)
- Chamber filler (product decoration with tuna, prawns, pieces of pepper etc.)
- Vibratory filler (product decoration with products such as herbs, chive etc.)
- Chickpea filler (precise dosing of chickpeas)

we offer a high-performance and flexible machine with a small footprint. These dosing machines can be used as main filling stations, pre-fillers (for cereals, fruit preparations) and also as post fillers. In addition during each filling process a multitude of decoration images can be created.

The combination of cup filling machine and mobile filler allows a very simple changeover on the cup filling machine and a product change which can be carried out in less than 5 minutes.

If two mobile fillers are used, the filling machine will be **free of allergen** and ready for production in **less than 5 minutes** by exchanging the complete filler. A format changeover can be carried out just as quickly. One person just needs 10 – 15 minutes.



## GRUNWALD will attend the following exhibitions in 2022 – 2023

### FACHPACK

European trade fair for packaging, technology and processes in Nuremberg, Germany  
27 – 29 September 2022



### PPMA

British exhibition for processing and packaging machinery in Birmingham, UK  
27 – 29 September 2022



### PACKEXPO

International and industry-specific trade fair for packaging and processing industry in Chicago, Illinois, USA  
23 – 26 October 2022



### FOODTECH

Trade fair for food technology in Herring, Denmark  
1<sup>st</sup> – 3<sup>rd</sup> November 2022



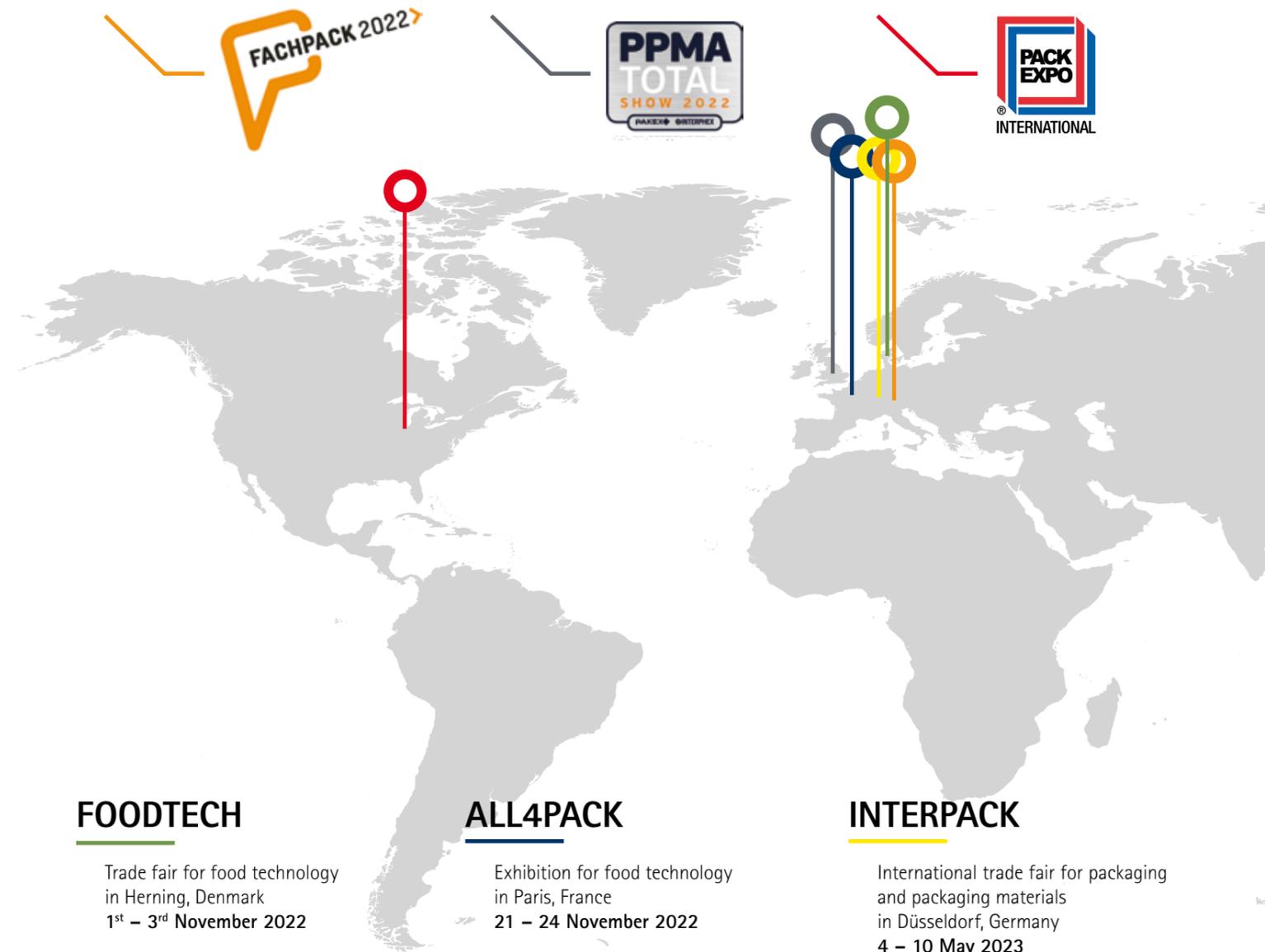
### ALL4PACK

Exhibition for food technology in Paris, France  
21 – 24 November 2022



### INTERPACK

International trade fair for packaging and packaging materials in Düsseldorf, Germany  
4 – 10 May 2023



Sender

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In case of any changes please return to:  
[reply@grunwald-wangen.de](mailto:reply@grunwald-wangen.de)  
Fax: +49 7522 9705 999

## GRUNWALD-HIGHLIGHT

Please inform us of any changes to enable us to update your contact details.

- our address has changed
- the contact person has changed
- further contact person(s)
- We would like to receive the GRUNWALD-HIGHLIGHT in digital form (PDF) in the future.

Family name | first name: \_\_\_\_\_

Position / job title: \_\_\_\_\_

Company: \_\_\_\_\_

Town/City | Postal Code: \_\_\_\_\_

County: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Phone: \_\_\_\_\_