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INTERPACK 2026

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**INTERPACK 2026
IN DÜSSELDORF**
A strong presence

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PREMIERE
New container
blender PM 1000

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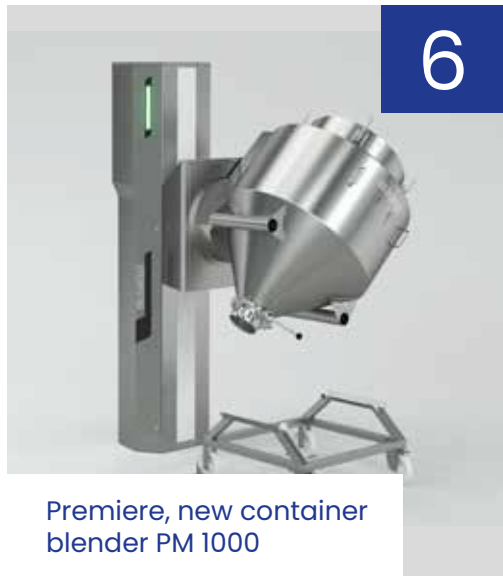
VMA Single-Pot Granulation
U.S. Company chooses
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WELCOME AT INTERPACK

Dear readers,

We hope that you, like us as a company, can look back on a successful start to 2026. Our team has already implemented numerous challenging projects that provide daily added value for our customers in their production operations. Our sales team has also been very active. In collaboration with our Brazilian representative, Maquidrex, we conducted a multi-day workshop on Continuous Manufacturing, with a focus on QbCon® 1 – our system for continuous wet granulation and drying in research and development, as well as in small-scale production. With over 50 participants, the workshop series was a great success.



In the United States, L.B. Bohle LLC hosted a seminar with KORSCH America Inc. in Warminster, Pennsylvania. From April 21 to 23, we exhibited three machines at Interphex in New York: the BFC 5 laboratory coater, the LM 40 laboratory blender, and the BTS 200 sieve machine. We were delighted with the positive feedback from the industry audience.

Interpack in Düsseldorf

We recently had a successful Interpack in Germany. The leading trade show was a real highlight for us, as we booked the largest booth space in our Interpack history. We presented a total of nine machines, as well as a world premiere. Alongside our partner, KORSCH AG, we impressed visitors in Hall 16, Booth B41. Our proven concept of exhibits, a lounge area, and a retreat space on the upper floor helped ensure that customers and prospects felt comfortable with us once again. We showcased a comprehensive selection from our portfolio with a total of nine machines for wet and dry granulation, milling and sieving, blending, tablet coating, and product handling.

We believe that the BFS 240 fluid bed system was particularly eye-catching at the booth. Over the past three years, we have installed numerous systems of various sizes for our customers, either as standalone units or in combination with the GMA high-shear granulator.

We also presented another one of our bestsellers at Interpack. It is technically optimized and features our new product design. With the PM container blender, we are present in production facilities around the world. We are confident that the new PM will also find its way into numerous production lines. Additionally, we showcased the QbCon® 1 with an HS 500 SL lifting column, BRC 25 and 100 dry granulators, BTM 150 hammer mill, BTS 200 sieve system and BFC 5 laboratory coater.

If you visited us at Interpack, you experienced our products and strengths firsthand. If you were unable to visit us, please feel free to contact us. We look forward to exchanging ideas and collaborating on future projects.

Yours,
Tim Remmert and Thorsten Wesselmann

IMPRINT

Publisher: L.B. Bohle Maschinen und Verfahren GmbH
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Responsible: Tobias Borgers



A strong presence at Interpack

WORLD PREMIERE AND TECHNOLOGY HIGHLIGHTS IMPRESS INDUSTRY PROFESSIONALS

From May 7 to 13, Interpack in Düsseldorf welcomed trade visitors from the processing and packaging industry.

“AlongsideACHEMA, Interpack is the leading trade show in our industry and an essential part of our planning,” said Tim Remmert, Executive Director, emphasizing the event’s importance.

Once again, L.B. Bohle exhibited alongside KORSCH AG. This time, however, the companies presented themselves at a larger, more centrally located booth in Hall 16.

“For years, our goal had been to move away from the edge of the hall and closer to the center,” Remmert explained.

More space – more exhibits

Above all, the booth space offered one thing: more room. “We were pleased that we can present our technologies on a total of 514 m²”, says Remmert. With the established two-story booth design and a proven communication and catering concept, L.B. Bohle created ideal conditions for a successful trade show visit and an intensive exchange about the exhibits and technologies.

Above all, the booth offered more room. “We are pleased that we can now present our technologies on 5,574 square feet,” says Remmert. With its established two-story booth design and proven

communication and catering concepts, L.B. Bohle created ideal conditions for a successful trade show visit and intensive discussions about its exhibits and technologies.

“With the expanded exhibition space, we naturally increased the number of our exhibits,” adds Thorsten Wesselmann, Executive Director, providing further insight into the company’s activities. With nine exhibits covering five process steps in tablet production, L.B. Bohle provided a comprehensive overview of its extensive product portfolio. The company presented machines for wet and dry granulation, milling and sieving, blending, tablet coating, and product handling.

“We are particularly proud that we were able to introduce a new product once again this year. What began with the presentation of the new product generation at Interpack 2023 and continued atACHEMA 2024 is now being carried forward at the past Interpack,” Remmert reports.

Excellent preparation – strong result

“Our team put a great deal of energy and precision into organizing the booth, ensuring that visitors had a real experience. We are delighted that so many prospects and customers from all over the world came to discuss projects, technologies, and innovations,” said Wesselmann, reflecting positively on Interpack.

New product at Interpack

PREMIERE OF THE NEW PM 1000 CONTAINER BLENDER

L.B. Bohle is presenting an absolute best-seller from its portfolio with the PM 1000 container blender – technically optimized and featuring a new design.

“Our PM blenders, which were successfully developed and patented by Lorenz Bohle with the blending element in the container lid, were the first catalyst for the company’s growth,” recalls Thorsten Wesselmann, Executive Director. Electromechanically driven from the beginning, these blenders are known not only for their versatility and durability, but also for their efficiency.

With several thousand installations around the world, L.B. Bohle is a blending technology expert. The blenders can be adapted to customers’ individual production requirements and daily specifications, making them suitable for virtually any production scenario in pharmaceutical manufacturing.

Depending on the process, they can be scaled from 4 to 12,000 liters. Blending containers with a volume of up to 2,400 liters are designed as exchangeable containers as standard. Effective blending can be achieved with a loading capacity of 20 to 85 percent and a density of 0.2 to 1.2 kg/dm³.

“The new PM’s updated appearance immediately catches the eye,” reports Wesselmann. The electrical system is fully integrated into the machine. This results in a smaller footprint and eliminates the need for an external control cabinet. “The signal lights on the left and right sides of the lifting column that indicate the machine’s status to the operator are particularly striking,” says Wesselmann.

The design team also modified the rotary drive for easier maintenance. Lubrication is now automated based on operating time. The lifting drive now comes standard with a frequency converter. This provides greater process control, increased safety, and reduced wear.

The blending motor meets IE4 energy efficiency standards. Compared to IE3 motors, IE4 motors reduce energy losses by about 15 percent, which lowers operating costs and improves the energy balance.

Extensive granulation portfolio

CONTINUOUS WET GRANULATION, FLUID BED GRANULATION, AND DRY GRANULATION IN FOCUS

In the pharmaceutical industry, granulation processes are increasingly viewed as opportunities for improving efficiency and optimizing costs. The objective of wet granulation is to transform fine powder into coarser agglomerates. These agglomerates can be solid, dry granules, with each granule representing a strong combination of powder particles. The granules can be used directly as medicines or as intermediate products in the manufacture of tablets or capsules.

"We have one of the most extensive portfolios of wet and dry granulation applications," says Burkhard Schmidt, Sales Manager. With machines and processes for traditional batch production and Continuous Manufacturing, L.B. Bohle has a strong position in this area.

BFS fluid bed system with tangential spray

"The BFS fluid bed granulator was certainly one of the eye-catchers at the trade show," Schmidt says confidently. At Interpack, L.B. Bohle presented the BFS 240, a system that enables wet granulation, drying, and pellet coating without any conversi-

ons. Operating using the tangential spray process, the system offers advantages over top-spray systems.

"The tangential nozzles are positioned on the lower wall of the product container and spray the particles where they reach their highest speed. Due to the circulating movement, the particles also travel the longest drying path. This reduces the overall time required for the granulation process because spray times are shorter, and drying efficiency improves. Additionally, granulation liquid can be saved," Schmidt explains.

Another advantage of BFS fluid bed technology is its ease of operation and maintenance. The process container swings open fully, providing direct, ground-level access to the filter cartridges. The filters can be easily removed with a bayonet lock. In larger systems, such as the BFS 240, the air distribution plate can be quickly and safely removed using a lifting column to ensure effective and fast cleaning.

Benchmark in dry granulation

L.B. Bohle showcased a highly regarded dry granulator, the BRC 25 and BRC 100, at Interpack.

"Three years ago, we presented the BRC 100 with our groundbreaking design at Interpack. The feedback was overwhelming," recalls Thorsten Wesselmann, Executive Director. The product design, strictly aligned with hygienic design requirements, won the 2024 German Design Award.

"However, design alone does not guarantee market success. Our ambition is for the machine to be technologically superior," Wesselmann adds. For the compacting drive, L.B. Bohle relies on a special electromechanical solution. The electromechanically driven rollers work with extreme precision and require minimal maintenance. In contrast, other dry granulators on the market use hydraulic systems.



However, design alone does not guarantee market success. Our ambition is for the machine to be technologically superior.

Thorsten Wesselmann,
Executive Director



"That means regular oil changes and problems in the clean room," Wesselmann explains. Additionally, the oil must be cooled, resulting in higher energy consumption. The properties of the oil also change over time, which negatively affects the systems' precision.

Thanks to features like assembly and disassembly in under ten minutes, quick sieve changes, and a standard WIP system, the BRC quickly became a global success.



QbCon® 1 – flexible for R&D and small-scale production

At Interpack, L.B. Bohle presented QbCon® 1, the ideal system for continuous wet granulation and drying.

“QbCon® 1 provides numerous advantages in everyday operations, whether in research and development or in sample and small-scale production,” reports Schmidt. Valid results can be generated in just a few minutes during the process.

“Tests with very small quantities, starting at 50 grams of material, are also possible. This is particularly important in R&D,” says Schmidt.

In the production of pharmaceutical solids, the focus in continuous production is often on direct compression. However, since most granules are produced using wet granulation, continuous wet granulation – especially continuous drying – is particularly important. Unlike other available solutions, QbCon® 1 allows for an unlimited process runtime and cleans the filters during operation.

QbCon® 1 provides control over the process to ensure consistent quality. The process-integrated use of Process Analytical Technology (PAT) enables continuous monitoring of product quality. Any deviations are detected immediately and can be addressed. If an error occurs, entire batches do not need to be discarded, less out-of-specification material needs to be sorted, and product variability is reduced.

Real-time analysis of the process and product also enables real-time release of pharmaceuticals. This offers the advantage of establishing 100 percent, non-destructive control over all manufactured products.

“This year, we demonstrated the functionality of QbCon® 1 for small-scale production in combination with an HS 500 SL lifting column and an MCL blending container,” Schmidt concludes.



” INTERVIEW



“We want to create emotion”

Interview – 3 questions for Thorsten Wesselmann, Executive Director

With its new machine generation, L.B. Bohle is deliberately focusing on innovation and technical advancements in unique designs. How are customers and partners receiving the new generation of machines?

Thorsten Wesselmann: Overall, the feedback we have received from the market has been very strong. In terms of design, we are setting ourselves apart from other machines on the market by taking our own path. Our manufacturing standard is apparently so high that we have not noticed any imitators so far. At the premiere at Interpack 2023, we received many positive reactions confirming that we are on the right track. In addition to the technology, we wanted to evoke emotion through design. We succeeded.

You are moving at a fast pace with new product introductions. Over the past three years, there has always been at least one modernized machine or innovation. How do you keep design and production motivated time and again?

Fortunately, we have a team that always thinks ahead and is constantly looking for ways to improve. From the beginning, our decision to thoroughly examine our machines and take a comprehensive approach to design was widely approved. There were, of course, setbacks, especially with manufacturing issues, but we quickly made up for them.

We are in constant communication with our customers, and the teams from the Service and Technology Centers contribute ongoing optimizations, allowing us to continuously improve.

Lorenz Bohle always lived by the credo that we build better machines than those on the market. Our team has internalized this. As a result, improvements to machines and finished machines ready for the Factory Acceptance Test (FAT) often serve as motivation for the next project.

Looking at the current Interpack, what innovations do the new machine offer?

With the PM 1000, we presented an absolute best-seller. We sold our first blender in 1987, and since then, we have sold several thousand more. The changes to the PM are immediately visible. Thanks to its more compact design and integrated electrical components, as well as its striking status lights, the new PM clearly differs from its predecessor. Optimizations to the rotary drive make maintenance even easier.

Particle calibration, sieve machine, and tablet coating

BTM 150, BTS 200, AND BFC 5 LABORATORY COATER

Mills play a central role in the production of pharmaceuticals, chemicals, and food. First, they increase the surface area of particles to improve the dissolution rate. Second, they equalize particle sizes to ensure homogeneous blending. They can also be flexibly integrated into complex production lines for processes such as filling, emptying, and transferring at process machines, as well as filling and refilling IBCs.

The BTM hammer mill is a compact and versatile solution from L.B. Bohle for research, development, batch production, and Continuous Manufacturing. The system reliably processes powders, granules, and agglomerates, and it is particularly suitable for difficult-to-mill active ingredients.

The BTM achieves a throughput of up to 1,500 kg/h at speeds of 600 to 6,000 rpm. An automatic dosing unit ensures the milling chamber is fed uniformly, prevents overfilling, and reduces heat generation. Various sieve inserts enable particle sizes down to below 100 µm. A rotor with impact and cutting sides allows for processing both hard crystalline products and suitable softer products.

Additional benefits include a compact design, an integrated electric mobile lifting column, nearly

tool-free disassembly, and convenient operation via a seven-inch touch panel with user and recipe management capabilities.

The BTS turbo sieve is used for particle size calibration and ensures optimal particle size distribution. Various conical sieve inserts, including perforated and rasp sieves, allow for the processing of both dry and moist products at speeds ranging from 150 to 1,500 rpm. This enables product capacities of two to three tons per hour.

The 7-inch touch panel provides convenient operation.



The BFC 5 laboratory coater ensures maximum flexibility

L.B. Bohle introduced its BFC 5 laboratory coater to the industry audience for the first time at ACHEMA 2024.

The laboratory coater can be operated with three different drum sizes. The coater comes standard with two drums that enable batch sizes of 2 to 6 liters and 5 to 13 liters, respectively. When using a partition disc, the smaller drum enables batch sizes of 0.5 to 3 liters. Scale-up is, of course, ensured.

A new slotted mini drum provides even greater flexibility for tests and very small batches of 150 to 350 grams, enabling the coating of not only

normal-sized cores, but also small cores with a diameter of 1.5 millimeters. This drum is therefore an effective and economical addition, especially in product development and when working with costly active ingredients or formulations.

A modular nozzle head is available with up to four nozzles, depending on the application, to ensure flexibility and outstanding coating results.



INTERPACK AT A GLANCE

From May 7 to 13, 2026, the global processing and packaging industry gathered at the 24th edition of Interpack in Düsseldorf to exchange ideas on AI, automation, innovative materials, and new competencies.

Interpack 2026 focused on three key themes: “Smart Manufacturing,” “Innovative Materials,” and “Future Skills.”

“Smart Manufacturing” encompasses data-driven, resource-efficient production, including AI and robotics.

“Innovative Materials” focused on new packaging materials, functionalities, and design-for-recycling concepts.

“Future Skills” addressed changes in the world of work and the competencies required for increasingly digitalized and automated production.

2,804 companies from 65 countries

They presented themselves at the world’s leading trade show, which has brought decision-makers together in Düsseldorf every three years since 1958, except for the cancellation in 2020 due to the pandemic. The event’s international significance was underscored by numerous country pavilions. There were joint booths featuring exhibitors from India, China, Taiwan, South Korea, Turkey, Malaysia, and several European countries.

AROUND 127,000 VISITORS

attended Interpack 2026. The international share was 75 percent, including around 28 percent from overseas.

VISITORS FROM 161 COUNTRIES

They came to Interpack 2026. According to their own statements, many traveled with concrete investment plans.

L.B. Bohle also used Interpack 2026 as a meeting point for its global sales partners. Colleagues and agents from four continents were welcomed on the Rhine.

**IN 17 HALLS SPANNING MORE
THAN 178,000 SQM**

The exhibition featured many market leaders showcasing their latest machines and technological developments. As an important and innovative part of Interpack, the pharmaceutical and cosmetics industries were traditionally represented in Halls 15 to 17.

EXACTLY 2,804 EXHIBITORS

The industry presented its innovative strength and creativity at the most recent Interpack 2026. In addition to providing a wide range of ideas and inspiration, the event initiated numerous concrete business deals that will be implemented in the years ahead.

L.B. BOHLE HOLDS SUCCESSFUL CONTINUOUS MANUFACTURING WORKSHOP IN BRAZIL

Practical demonstrations, expert presentations, and intensive technical exchange shaped the workshop on twin-screw granulation and truly continuous drying with QbCon®.

L.B. Bohle looks back on a successful workshop in Brazil. The event focused on the topic, “Truly Continuous Wet Granulation and Drying for R&D and Small-Scale Production via Revolutionary QbCon®.” In collaboration with Ashland, Maquidrex, and Prof. Dr. Humberto G. Ferraz from the Faculty of Pharmaceutical Sciences at the University of São Paulo, the workshop offered valuable opportunities for professional networking, practical knowledge sharing, and fresh perspectives on the Continuous Manufacturing of oral solid dosage forms.

Ideal mix of theory and practice

Participants from industry and academia gained comprehensive insight into the capabilities of twin-screw granulation and continuous drying, both of which are based on the patented QbCon® technology. Technical presentations, application examples, and experience reports were supported by live demonstrations of the system. These demonstrations clearly illustrated how Continuous Manufacturing processes can support the development and production of small batches of tablets and other solid dosage forms. The application possibilities of QbCon® 1, L.B. Bohle’s continuous granulation and drying system, were emphasized. In addition to covering the technical fundamentals, the program addressed topics such as scale-up, specific applications, customer experiences, and selected case studies. This allowed participants to better understand the

technological connections and gain valuable insights for their own work.

Continuous Manufacturing for R&D and small-scale production

The workshop successfully combined theory and practice, underscoring the growing importance of Continuous Manufacturing in the production of pharmaceutical solids. For research and development, as well as for small production batches, continuous processes offer new possibilities in terms of efficiency, process understanding, and product quality.

L.B. Bohle would like to thank all the participants, speakers, and partners who contributed to the event’s success. The strong response and the in-depth technical discussions that took place on-site once again demonstrated the relevance of innovative granulation and drying technologies for the future of pharmaceutical production.

For more information about Continuous Manufacturing, scan the QR code.





**U.S. Pharmaceutical company
chooses L.B. Bohle**

SINGLE-POT GRANULATORS FOR TWO PRODUCTION SITES

L.B. Bohle LLC, based in Warminster, Pennsylvania, has received a significant order from the United States. After intensive discussions, trials, and negotiations, an agreement was reached at the Interphex conference in New York. The new customer, which has sites in the Midwestern and Southwestern United States, ordered two VMA 300 Ex single-pot granulators and one VMA 70 Ex.

Intensive sales efforts and strong collaboration

This order followed an intensive project phase that included demanding trials at our Service Center in Ennigerloh. Throughout this process, we successfully represented the customer's complex technical process

and impressed them with our professionalism and teamwork. "Special thanks go to LLC for consistently pursuing the project and bringing it to a successful conclusion.

This order exemplifies the strong collaboration among all teams involved across various departments," said Tim Remmert, Executive Director, expressing his satisfaction with the outcome. Delivery of the VMA 70 Ex is planned for the current fiscal year. The two VMA 300 Ex units will be delivered in the first quarter of 2027.



STYL'ONE Evolution

TABLET PRESS EXPANDS EQUIPMENT PORTFOLIO IN OUR TECHNOLOGY CENTER

At our Service Center and Technology Center, we offer customers and prospective clients the opportunity to test or optimize their processes using our machines.

"Of course, it is our goal to always offer the latest machines and expand our product range. That is why we are pleased to have recently added the STYL'ONE Evolution from KORSCH AG to our Technology Center. It opens up new possibilities for us, particularly in the area of Continuous Manufacturing," says Dr. Robin Meier, Manager Science & Process Engineering.

STYL'ONE Evo for research and development

The STYL'ONE Evo compaction simulator enables comprehensive material characterization. It supports the development of tablet formulations for single-layer tablets as well as for complex forms such as multi-layer or core-coated tablets under production-like conditions in real time.

The compact tablet press enables realistic simulation of tableting processes. This is a real advantage for customers, especially in the early phase of product development and process optimization.

Strong Partnership

"We are thrilled about this long-term loan from our partner, KORSCH AG. Our thanks go to Stephan Mies and his team. This initiative underscores our excellent working relationship once again," says Tim Remmert, Executive Director, offering insight into the collaboration.

If we have piqued your interest and you would like to conduct tests at our Technology Center, please feel free to contact us. We look forward to hearing from you.

For more information and contact details, scan the QR code.





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