



**TOPICS**

Continuous Manufacturing

New US Service Center

Major Project for Columbia

**INNOVATIV**

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## ***Dear readers,***

First, we hope that you are all well and healthy through this challenging time. Unfortunately, the pandemic still dominates much of our private and business life. We feel this not only in terms of contact restrictions, hygienic and distance rules, but increasingly in terms of procurement and adherence to delivery deadlines. Mobility also remains limited: our sales staff still travel infrequently; FATs often take place remotely. Trade shows run in hybrid or online format. Recently, with travel activities slowly increasing, we were able to conduct the first FATs in person again. We are very happy about this, as it signals an improvement of our current condition.

In September, we successfully launched the “Innovation Days” workshop series in Berlin with our partner KORSCH AG. The first trade fairs – such as Interphex in New York or Pharmtech in Moscow – are again taking place physically. However, we cannot yet expect the number of visitors that we were used to in the pre-Corona era.

### **Strong anniversary year**

So far, we can look back on an eventful and busy anniversary year. Most fortunately, in the year of our 40<sup>th</sup> anniversary, we will achieve the best annual sales in the company’s history. We are continuously growing and, above all, healthily in all areas. Speaking of continuous: the sales successes around the continuous QbCon® series helped us to achieve the significant increase in sales.

By the end of the year, we will complete our new Plant 4 in Ennigerloh, where we will build equipment for continuous production. With the construction for the 2,000 sqm production facility, company founder Lorenz Bohle has once again sent a clear signal that

we will play an important role in the market for continuous production systems in the pharmaceutical industry in the future.

### **Worldwide sales successes**

We are particularly pleased with our international sales successes. We are globally active and excellently positioned with our subsidiaries and representatives. In 2021, we concluded the highest-volume order in South America. We significantly increased sales in the United States and placed equipment across the entire portfolio. On the Russian market, as in previous years, we recorded numerous orders. In our German home market, we also recorded significant sales successes for batch and continuous production equipment.

### **Top events await us in 2022**

At this point, we would like to give an initial preview of what lies ahead. The end of the year will again be a challenging period for us, as we have to accept and deliver your ordered equipment on time. Numerous highlights await us in 2022. In April, one of the most important trade fairs in the industry, ACHEMA, will open its doors. We will be exhibiting with our partner KORSCH AG. On May 18 and 19, 2022, we invite you to “Innovation Days” at our site in Ennigerloh. At the English-language event, we will focus on Continuous Manufacturing. Just one day later, on May 20, 2022, we will celebrate not only our 40<sup>th</sup> anniversary with a gala event, but also the inauguration of Plant 4. We ask you to make a note of these important dates.

### **Year-end spurt and good start for 2022**

We would like to take this opportunity to wish you a successful end to the year and a good start to 2022.

We look forward to further trustful cooperations in numerous projects, so that we can continue to contribute to your success with our machines, processes, and innovations.

Stay healthy!

Sincerely

***Tim Remmert & Thorsten Wesselmann***

Executive Directors

# QbCon® Plant for German Pharmaceutical Major

## Continuous Manufacturing from Powder to Coated Tablet

At the beginning of 2021, there was great joy at L.B. Bohle. A well-known German pharmaceutical manufacturer ordered a continuous production line from the QbCon® series to produce tablets by means of wet granulation.

“With our extensive processes for continuous production, we are certainly technology leaders in the market,” says Dr Robin Meier, Manager Scientific Operations at L.B. Bohle. “When the group first approached us with its ideas and requirements back in 2017, we naturally tried to design an optimal overall solution,” Dr Meier continued. In numerous discussions and several test series at the Technology Center in Ennigerloh, it quickly became clear that the L.B. Bohle plant meets the customer’s ideas and, above all, fully satisfies the quality and safety aspects. Another advantage for L.B. Bohle was that the customer already had a QbCon® 1 in research and development. A very positive experience with excellent results were achieved at that plant.

*“With our extensive processes  
for continuous production, we  
are certainly technology leaders  
in the market.”*

**DR ROBIN MEIER**  
MANAGER SCIENTIFIC OPERATIONS

### Components from several suppliers

“Internally, the project was given the working title QbCon® WGT because it is a plant that enables the production of coated tablets by continuous wet granulation and drying,” reports project manager Andreas Teske. Teske, who is normally responsible for product development and optimization as a process engineer in the Service Center and Technology Center, was happy to take on responsibility for the project. “The challenge with this plant is certainly that components from different suppliers have to be integrated. For example, Franz Ziel GmbH is responsible for the isolator technology and a tablet press from KORSCH AG is being integrated,” describes Teske.

**“The challenge with this plant is certainly that components from different suppliers have to be integrated. For example, Franz Ziel GmbH is responsible for the isolator technology and a tablet press from KORSCH AG is being integrated.”**

The complete plant consists of a QbCon® 1 for continuous wet granulation and drying and a mixing and feeding unit, each completely enclosed by an isolator, a screen of the BTS 100 series, a tablet press XL 100 WipCon® and a semi-continuous coater KOCO® 25. The main components of the plant from L.B. Bohle are the QbCon® 1 and the semi-continuous coater KOCO® 25. The plant is fed via two automated lifting columns HS 400.

### QbCon® 1 for continuous wet granulation

QbCon® 1 is the most advanced machine on the market for continuous wet granulation and truly continuous drying of granules. It meets all requirements of the pharmaceutical industry in terms of short residence time of the granules in the dryer combined with narrow residence time distribution. This property is important to be able to discharge defective product in a targeted manner without having to discard too large a proportion.

*“In the sector of Continuous Manufacturing, we have a pioneering role in the market and certainly a technological top position, which is secured by patents. The market is opening up more and more to continuous processes and, from our point of view, it was right to start major personnel and financial activities in this area as well.”*

**LORENZ BOHLE**  
FOUNDATION CHAIRMAN

The KOCO® is designed as a semi-continuous coater and is characterized by a high throughput. Thereby, the process machine is based on the proven, patented design of all L.B. Bohle tablet coaters.

“The integration of the individual components into the complete control system also represents a special challenge,” explains Teske. The production process is controlled and operated via a central SCADA system that can be operated from several positions in the room. “Special attention is paid to the interfaces between the various control systems of our project partners, the customer’s MES and our self-developed user interface. It is only by having a close cooperation between L.B. Bohle, the suppliers and the customer, that an intuitive and smooth operation of the complex overall system can be achieved,” Teske continues.

#### **Lorenz Bohle as driving force**

For company founder Lorenz Bohle, mastermind and driver in the field of Continuous Manufacturing at L.B. Bohle, the project is another milestone for the company. “In the sector of Continuous Manufacturing, we have a pioneering role in the market and certainly a technological top position, which is secured by patents. The market is opening up more and more to continuous processes and, from our point of view, it was right to start major personnel and financial activities in this area as well,” analyzes Bohle proudly. Particularly in the coming



***From powder to coated tablet: The integration of the individual components into the overall control system was particularly challenging.***

years, a strong increase and build-up of continuous production plants is to be expected in the pharmaceutical industry. “In order to continue to meet this increased demand, we have built our new Plant 4, where only QbCon® series systems are manufactured. After all, we want to consolidate and expand our position in the market,” Bohle continues, as he sets the course for growth.



In total, the major order will take the company a good two years to complete. The FAT (Factory Acceptance Test) is scheduled at Plant 4 for the beginning of May 2022. The system will then be installed at the customer's plant so that the SAT (Site Acceptance Test) can be completed in December 2022. The customer plans to process highly potent active ingredients in the plant.

# INGO KÜSEL TAKES OVER SALES TERRITORY GERMANY EAST

## New Area Sales Managers for Central and Eastern Europe

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Ingo Küsel, previously responsible for the Asian region, will additionally take over support for customers and prospects in the Germany East sales region in the second half of the year. Together with the previous representative Hans-Jürgen Pedde, Küsel will assist in looking after the area until the end of the year, after which he will be solely responsible for the region.

“Hans-Jürgen Pedde was a Bohle salesman from the very beginning,” reports Tim Remmert (Executive Director). Together with company founder Lorenz Bohle, Pedde had already been successfully selling handling and process machines since the mid-1980s. “In the beginning, Hans-Jürgen Pedde was still on the road as a classic sales representative, representing several suppliers of pharmaceutical tablet production. Most recently, however, he was exclusively active for L.B. Bohle,” Remmert describes. Hans-Jürgen Pedde will retire at the end of the year.

“Hans-Jürgen Pedde succeeded in installing a large number of Bohle equipment in production sites in the region. He has an outstanding network. Ingo Küsel will undoubtedly find an excellent platform for his future endeavors,” Remmert states.

### Joachim Kraft retires

Due to the age-related retirement of Joachim Kraft on June 30, 2021, L.B. Bohle had to fill the position of Area Sales Manager. “Joachim Kraft has taken a well-deserved retirement after 22 very successful years with our company,” says Burkhard Schmidt (Sales Director). “With his extensive expertise and knowledge of human nature, he has always contributed to the success of our expanding company and was a highly valued colleague and advisor both internally and externally,” Schmidt continued.



*After 22 very successful years, Joachim Kraft (2nd from right) left the company this past summer. In addition to Executive Directors Tim Remmert (right) and Thorsten Wesselmann (left), Sales Director Burkhard Schmidt and many employees bid him farewell with a gift.*

### **Joschka Raby takes over large number of European countries**

As Joachim Kraft's retirement was known at an early stage, L.B. Bohle managed a smooth transition to fill this position. On January 1, 2021, Joschka Raby strengthened the sales team and was able to optimally familiarize himself with the sales area and the product portfolio, working closely with Joachim Kraft.

Joschka Raby is now responsible for Scandinavia, UK, Benelux, Italy and Egypt, among others. "Through the six-month joint transition period, we have ensured a seamless handover," explains Burkhard Schmidt. "Unfortunately, the one downfall, due to the Corona pandemic and its associated contact and travel restrictions, was the inability to visit our customers in person," Schmidt reports.

### **Matthias Dietz to leave in summer 2022**

L.B. Bohle also had to become active in personnel recruitment for the position of Area Sales Manager for Eastern Europe and Russia. Matthias Dietz will also leave the company in August 2022 for reasons of age. "On July 1, 2021, his successor, Valeri Raiswich, joined L.B. Bohle. Analogous to the succession with Mr. Kraft, working closely with Matthias Dietz ensures a long familiarization and handover to Mr. Raiswich," says Schmidt. In the Russian market and the neighboring countries, L.B. Bohle has an excellent presence, and an outstanding networked local sales representative, Michael Kurako. "Due to the fact that Valeri Raiswich speaks Russian fluently, we will be able to intensify our contact with the customer even more," Schmidt stated, hoping for an even better exchange with customers and prospects going forward.

## 3 Questions to...



**INGO KÜSEL**  
AREA SALES MANAGER

**1. You have been with L.B. Bohle since 2018 and are currently responsible for the Asian region. How did the new task come about?**

**Ingo Küsel:** Quite classically, the previous representative, Hans-Jürgen Pedde, is retiring at the end of 2021. As part of the succession plan, I was approached by management to ask whether I could imagine taking on this role. Since it is a very appealing task, I naturally accepted.

**2. Where do you mainly see the differences in the two markets?**

**Küsel:** The mentality of the people is already very different. In Asia, people don't (yet) think so strongly about sustainability. If it's cheap, why buy expensive? The amount of the new investment is judged first. Longevity and low investment in spare parts are hardly considered. In Germany, on the other hand, more attention is paid to the total investment, i.e., the machine's service life.

**3. Numerous plants have already been installed in Eastern Germany - what are your goals?**

**Küsel:** Every salesman wants to sell as many machines as possible. Regardless of the market or the machine size. A milestone for me personally would be to be able to sell a tablet coater from the BFC series. However, for my current market in Asia, this type of machine is "over engineered" in most cases.

## 3 Questions to...



**JOSCHKA RABY**  
AREA SALES MANAGER

**1. You joined L.B. Bohle in January 2021 in lockdown, how was the start and the first contact with customers or prospects?**

**Joschka Raby:** First, I would like to emphasize that I was given an excellent reception at L.B. Bohle. However, maintaining contact with the customer was challenging, especially in my first few months. Customer contact was characterized by e-mails, video meetings and telephone calls. However, personal meetings are elementary for building up a relationship of trust. I'm pleased that business trips and personal contacts are now possible again to a greater extent.

*“L.B. Bohle is known worldwide as a technology leader due to its strong focus on customer- and solution-oriented, but above all groundbreaking innovations.”*

**2. You mainly serve Central and Northern Europe. What potentials and efforts for the introduction of Continuous Manufacturing do you see?**

**Raby:** Continuous manufacturing is increasingly becoming a focus of our customers – not least due to the numerous advantages in terms of quality, flexibility, operator safety and cost savings. With our QbCon® series, we are the technology leader on the market and the interest in our process equipment is enormous. Numerous installations in Europe, including a fully continuous high-containment system – starting with dosing and mixing, through continuous wet granulation, drying and tableting to coating – at a German global player are proof of this. In general, I see great growth potential in this market segment.

**3. What attracts you to the L.B. Bohle brand?**

**Raby:** L.B. Bohle is known worldwide as a technology leader due to its strong focus on customer- and solution-oriented, but above all groundbreaking innovations. Exceptional quality in machines as well as services and support ensure a high level of acceptance by customers. In addition, the market position is consolidated and expanded through steady, sustainable and, above all, healthy growth.

## 3 Questions to...



**VALERI RAISWICH**  
AREA SALES MANAGER



### 1. From which industry do you come to L.B. Bohle or what is your professional background?

**Valeri Raiswich:** After my university degrees in Germany and England, I was able to gain professional experience in national and international sales with battery solutions for the aerospace industry over the last 15 years.

Since 2011, I worked for my former employer as Senior Sales Manager Aerospace and supported customers in the EMEA region (economic area Europe, Middle East and Africa). The markets in Eastern Europe and Central Asia were among the company's most important export markets.

### 2. The Eastern European market, especially the Russian market, is very important for L.B. Bohle. What are your goals in the markets?

**Raiswich:** The Eastern European market for machinery and equipment in the pharmaceutical industry has grown very strongly within the last years. Due to the market size and considerable investments in the local manufacturing infrastructure, the Russian market plays a leading role for L.B. Bohle in this sales region.

My goal is to sustainably strengthen and further expand the market position jointly established by L.B. Bohle and our local sales partners in Eastern Europe.

In particular, I would like to use my experience from several projects successfully realized in Eastern Europe profitably for L.B. Bohle, our customers and sales partners.

### 3. What challenges in the region for which you are responsible do you see in the market and what are the solutions?

The geographical distance and the Corona-related lockdowns as well as associated travel restrictions can be seen as a challenge.

These factors have recently complicated important activities for us such as personal customer contacts, product trials and factory acceptance tests of customers at L.B. Bohle, as well as installation and service work at our customers' sites.

With the help of our sales partners in the markets and the active support of many colleagues from the project management, after sales and technical departments, we have succeeded in maintaining the necessary customer proximity and thus guaranteeing adequate customer support.

To successfully continue the growth course for L.B. Bohle in this sales region, we are going to intensify our work on the customer together with the responsible sales partners.

In addition, we will try to expand our sales activities geographically to countries with existing market potential in the region where we have not been active so far.

# FOCUS ON THE USA: SERVICE CENTER WITH NEW MACHINES

## Major Order from the Food Supplement Industry

L.B. Bohle is focusing on expansion of the Service Center at the Warminster, PA (USA) location. "Over the past months, we have comprehensively expanded our US representative office and brought the laboratory up to the latest technical standards," reports Tim Remmert, Executive Director. In the Service Center, clients now have access to a renovated laboratory and a workshop for reconditioning used machines. "We have also expanded the location with a spare parts warehouse," explains Martin Hack, Vice-President and General Manager L.B. Bohle LLC. This means that L.B. Bohle is now able to supply parts even faster when needed. We aim to stock all regularly used spare parts for common machines from the Bohle portfolio.

Another positive in the expanded service strategy is the newly founded department for reconditioned equipment. In this expanded service L.B. Bohle refurbishes existing, older-style machines, then markets them for continued useful life in the industry.

### Renovated test Center with more machines

In the renovated US Service Center, customers can now test all process steps of tablet production or optimize their processes. From weighing, granulation, mixing, sieving, and milling to tablet coating, all process steps are available. The machinery is complemented by the QbCon® 1 R&D unit, which implements twin-screw granulation and truly continuous drying. The machinery is completed by various handling devices and the PUR container washing system.

"We provide our customers and prospects from the pharmaceutical, chemical and nutraceutical industries with an improved environment for tests and technical training, the development of processes and for process optimization and practical seminars," says Martin Hack.

"On-site problem solving and scale-up projects can be developed with our process experts," adds Mike Fazio, Sales Manager Batch & Continuous Processes in the USA.

### Good accessibility

The US location of L.B. Bohle in Warminster, Pennsylvania, which was founded in 1990, benefits from its convenient location. The Service Center is





### ***Machines USA***

- ✓ Dry Granulation BRC
- ✓ QbCon\* 1 - Twin Screw Granulation & Truly Continuous Drying
- ✓ Tablet Coating Technologies BFC 5 and BTC 100
- ✓ **Milling and Sieving:** Bohle Turbo Sieve BTS 200 and Bohle Turbo Mill BTM 150
- ✓ **Blending:** LM 40 and PM 400
- ✓ Semi-automatic IBC Washing
- ✓ Various Material Handling equipment



*In the renovated US Service Center, customers can now test all process steps of tablet production or optimize their processes.*

## Major project – Two BRC, Two BTC and much more

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located only 30 minutes north of Philadelphia International Airport. “Several customers have visited us for extensive trials and testing. We look forward to serving more customers and prospects with our expertise and know-how,” Fazio concludes.

Short-term sales success is rather rare in the sale of investment goods. As a rule, business relationships develop over a longer period. This was also the case with recent sales success in the USA. The first contact with NOW Foods, manufacturer of food supplements, in 2015 was based on a general interest for a BRC 100 dry granulator.



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In early 2021, persistence in customer service paid off. NOW Foods placed a large order for a variety of process and handling machines with L.B. Bohle: two BRC 100 dry granulators, two BTC 400 tablet coaters, two PM 2400 container mixers, eleven HS 2000 lifting columns, two PUR cleaning systems and 60x 2000-liter containers. “We see this major order as an important success, especially since the customer is not part of the “Pharmaceutical” industry,” says Martin Hack.



***The Bohle Tablet Coater BTC stands for economical tablet coating. A flat tablet bed, patented air guidance and high spray rates ensure quality and reduce process times by up to 35%.***



*Martin Hack (left) and Mike Fazio are pleased with the new and larger Service Center at the Pennsylvania site.*

"In the course of the customer's site expansion new equipment was needed years after the initial contact," reports Sales Manager Mike Barker. The new request focused on large-scale mixing and roller compaction.

In mid-2020, the customer started the development of processes including granulation, mixing, coating, cleaning, and container systems. At the turn of 2020/2021, NOW Foods approved the overall project. "At that time, however, Bohle was only confirmed as a supplier for mixing systems and containers," Barker reports.

A conversation in February 2021 changed that situation. During the presentation of Bohle's portfolio with the management team, granulation and

coating expertise came more into focus. "After this meeting, L.B. Bohle became the preferred supplier for all process equipment," Barker is pleased to say.

Unlike the pharmaceutical industry, manufacturers of food supplements produce around the clock. Therefore, continuous monitoring and maintenance of the equipment by L.B. Bohle is required.

"This support and maintenance effort is ensured by our Technical Services Team," explains Hack. "In addition, we provide support in the development of processes through to integration with existing plants and, of course, during commissioning," Hack continues. The installations of the plants are scheduled for the first quarter of 2022.

# MAJOR PROJECT FOR COLOMBIA

## Sales in South America Pick Up

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The major project, which will be installed at the customer Tecnoquimicas in Colombia in May 2022, is comprised of a total of 65 machines and containers.

“With this project, we have achieved the largest order volume in South America to date,” notes Tim Remmert (Executive Director). “In general, we are observing that sales are picking up again across the entire continent,” Remmert continues.

### Consistency leads to success

The first contact with Tecnoquimicas took place several years ago. The relationship was built up and made stronger through continuous visits. This continuity led to the customer’s decision to purchase a BTS Bohle Turbo Sieve.

“The decisive factor for the latest order placement was certainly the joint visit to a customer in Costa Rica to see our machines in production and exchange experiences” reports Area Sales Manager Peter Pogoda. “After this visit, the project picked up speed and the discussions became more detailed,” says Pogoda.

Because L.B. Bohle was very responsive to the customer’s requirements and questions, trust could be built. Then, in December 2020, L.B. Bohle received the order.

### Project management secures schedule

Due to the high scope of the project, L.B. Bohle internally entrusted two project managers with the planning and handling. Daniel Dück and



*The BTC 400, here with lifting column of the SL series, enables up to 35% shorter process times compared to conventional coating systems.*

Hendrik Voß not only planned the internal processes so that the FAT date could be held in September and October 2021, but they also coordinated with the customers in a large number of online meetings.

The FAT took place in two phases: part of the equipment was accepted via remote session, while the process equipment was accepted directly on site in Sassenberg and Ennigerloh. Fortunately, six Tecnoquimicas employees were able to make the trip to Germany for the FAT. "The L.B. Bohle team at the plants did an excellent job during the acceptance tests. Every customer request was implemented as quickly as possible - even under time pressure - and every question was answered in a communicative and competent manner," reports Pogoda.

"In general, the project was characterized by mutual respect from the very beginning, and the cooperation was very supportive," Pogoda stated, providing insights into the processes and atmosphere. Installation and commissioning of the equipment is scheduled at the plant in May 2022 so that production can start in September.



***With the right mix of successful ideas and design, L.B. Bohle is among the world leaders in blending technology for the pharmaceutical industry.***



***The project in numbers***

- ✓ 2x Docking-Stations
- ✓ 3x BTS Turbo Sieve 200
- ✓ Container-Blender PM 5000
- ✓ Container-Blender PM 2400
- ✓ Container-Blender PM 2400 (with intensifier)
- ✓ 5x HS 1000 SL lifting column
- ✓ 3x HS 400 lifting column
- ✓ BTC 400 Tablet coater
- ✓ PUR Container cleaning / CDS Container drying
- ✓ 7x Container MCG 600
- ✓ 15x Container MCG 1200
- ✓ 5x Container MCG 2400
- ✓ 20x Container PEB 300

# METFORMIN PROCESSING STATION

## Combination of Lump Breaker and BTS Conical Screen Mill

In the treatment of non-insulin-dependent type 2 diabetes and obesity, metformin (chemically 1,1-dimethylbiguanide) is used to lower blood glucose levels. It is, therefore, a most critical drug. Metformin lowers blood glucose levels by interfering with glucose metabolism in several ways. This reduces the release of sugar from the liver and improves the insulin sensitivity of the body's cells.

"Metformin is inexpensive to produce and is needed in large quantities," says Sales Director Burkhard Schmidt, explaining one reason for its high-volume use. It has long been recognized as a standard drug for type 2 diabetes, and demand is high worldwide. In Germany alone, there are seven million people suffering from diabetes, 90% of whom have type 2 diabetes.

### Metformin preparation station for efficient production

With the new metformin processing station, L.B. Bohle enables efficient and large-volume processing of metformin. "The mobile station crushes, de-clusters and screens the metformin in order to transfer it by vacuum to the fluid bed system BFS positioned next to it," Schmidt reports.

The raw material is in the form of solid blocks, manually unpacked by the operator and placed on a lifting device at an ergonomic height. Using user-friendly controls on the HMI, the platform with the product is lifted and the metformin block is fed to the chopper unit. Complete dust extraction is ensured at all times via an extraction system.



### Benefits at a glance

- ✓ Compact design - mobile use
- ✓ Convenient operation of the machine via HMI. Only one operator is required for loading.
- ✓ Fast unpacking of metformin blocks at ergonomic height
- ✓ Short production cycle - approx. 40 seconds
- ✓ Fast disassembly for cleaning. A lifting column is required for complete disassembly of the feed hopper and chopper.
- ✓ High flexibility due to the use of different screen inserts
- ✓ Integrated vibrator or beater
- ✓ Inspection of the process - free view into the feed hopper and onto the chopper
- ✓ Direct suction at the feed hopper possible

**Flexible use due to different sieve inserts**

A BTS Bohle Turbo Sieve is arranged directly below the chopper unit, which sieves the crushed metformin blocks. Various screen inserts with different diameters can be used for this purpose.

A suction shoe is connected to the outlet of the BTS, which establishes a connection to the vacuum transfer system of the Bohle fluid bed system.

*“The mobile station crushes, de-clusters and screens the metformin in order to transfer it by vacuum to the fluid bed system BFS positioned next to it.”*

**BURKHARD SCHMIDT**  
SALES DIRECTOR



*Metformin is an important drug and is produced in large quantities. The new metformin preparation station ensures particularly flexible production.*

# GENERAL PLANT MANAGER ROBERT STAUVERMANN RETIRES

Mario Maskort Takes Over at the Beginning of 2022

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On December 31, 2021, an era at L.B. Bohle will come to an end: With Robert Stauvermann, not only will the General Plant Manager retire, but also the employee who was present in the very first hour of the company.

When company founder Lorenz Bohle started his own business in 1981, Robert Stauvermann accepted the offer to jointly build up a company from scratch and be able to contribute his own ideas.

## **Bold joint steps**

"Of course, it was quite a courageous step at the time, since I had a secure job as a locksmith at the contract manufacturer Rottendorf Pharma," Robert Stauvermann looks back. "However, we knew our strengths from our time together - Lorenz Bohle as a Technical Manager and doer, me as a practical man and thinker. Moreover, we knew that our ideas and developments had great potential," Stauvermann recounts.

For Lorenz Bohle, Robert Stauvermann "has been a decisive and, above all, reliable factor for L.B. Bohle in its development into a globally active company

and a recognized brand in all the years since the company was founded." Countless hours were spent together by both working on optimizations and developments, always striving to achieve the best result.

"Our common claim is still valid today: always the best solution for the customer and the highest quality," Stauvermann states a credo of the company.

## **Quality as a recipe for success**

Lorenz Bohle quickly realized that in order to be able to ensure optimum quality, it was necessary to set up the company's own production. "And Robert Stauvermann was always the right man for this. First as Plant Manager and later as General Plant Manager responsible for all plants, he continuously ensured our quality standards and imparted know-how and knowledge," states Bohle.

With one eye crying and one eye laughing, Robert Stauvermann will leave the company at the end of 2021. "I am looking forward to the time ahead and, above all, to more freedom for my hobbies, such as travel. Of course, there is also melancholy after this long time together, but I see L.B. Bohle excellently positioned for the future. We will continue to play at the top position in the top league," Stauvermann concludes, and one can see his pride in being a guarantor for the success story.

## **Mario Maskort becomes General Plant Manager**

Internally, everything was arranged for a smooth and successful handover of plant management. "Mario Maskort, previously responsible for blender and handling production as Plant Manager in Sassenberg, moved to Ennigerloh back in July 2021 to get to know all the processes with Robert Stauvermann," explains Thorsten Wesselmann (Executive Director).

*"Our common claim is still valid today:  
always the best solution for the  
customer and the highest quality."*

**ROBERT STAUVERMANN**  
GENERAL PLANT MANAGER

***“Mario Maskort is excellently networked and respected across departments. He will do an excellent job in the position thanks to his high level of initiative, independent action and strong communication skills.”***

**THORSTEN WESSELMANN**  
EXECUTIVE DIRECTOR

Mario Maskort is a master metalworker and has been with the company since 1991. Since 2001, he was responsible for the Sassenberg site, first as foreman and later as plant manager. “Over the years, Plant 2 has greatly developed under his leadership. It impresses with productivity, on-time delivery and quality,” Wesselmann points out.

“Mario Maskort is excellently networked and respected across departments. He will do an excellent job in the position thanks to his high level of initiative, independent action and strong communication skills,” concludes Wesselmann.



***After 40 years as a Global Plant Manager, Robert Stauvermann will leave the company at the end of 2021. Mario Maskort will take over operational management.***

# L.B. BOHLE AGAIN ISO 14001:2015-CERTIFIED

## Plant 4 Becomes Maximum Energy Efficient

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In September, L.B. Bohle successfully completed the re-certification according to ISO 14001:2015. Behind this ISO standard stands the international environmental management standard that defines globally recognized requirements for an environmental management system.

“In addition to compliance with environmentally relevant regulations, prevention of environmental pollution through sustainable use of resources by means of low-emission / low-waste production techniques and monitoring through regular re-



views of environmental targets, preventive environmental protection and protection of ecosystems are also anchored in the environmental policy," explains Martin Schembecker, Head of Quality Management at L.B. Bohle.



**Particularly energy-efficient: The Plant 4 building is being constructed in accordance with Energy Efficiency 55.**

### **Sustainability and resource efficiency**

The issues of sustainability, energy efficiency and innovations have always been high on the agenda at L.B. Bohle.

Energy efficiency was given special consideration in the planning of Plant 4. "We invested a six-figure sum for these measures in the new building and constructed the building according to Energy Efficiency 55. This means that the building requires only 55 percent as much energy as a comparable new building that achieves the maximum permissible value according to the German Energy Saving Ordinance (EnEV)," explains Foundation Chairman Lorenz Bohle.

### **100 percent green power**

By installing a photovoltaic system on the roof, energy is generated and additionally fed into the grid. "The entire production of the machines is done with 100 percent green electricity. As of this year, this applies to all other company locations and the operation of the buildings," Bohle continues.

**"The entire production of the machines is done with 100 percent green electricity. As of this year, this applies to all other company locations and the operation of the buildings," Bohle continues.**

The office heating systems in Plant 4 are supplied by state-of-the-art heat pump technology, and L.B. Bohle relies exclusively on LED technology for lighting. There are also sufficient (fast) charging points in the parking area to be able to charge e-cars.

An energy management system (E3CON) is being installed to measure energy efficiency and thus create transparency regarding consumption, which will enable further optimization to be achieved.

# INNOVATION DAYS WITH KORSCH AG

Kick-off in September in Berlin

With "Innovation Days", L.B. Bohle and KORSCH AG launched a workshop series with a high level of practical relevance on current topics and trends in tablet production. In practice-oriented technical presentations, specialists from both companies as well as experts from partner companies and universities presented the latest developments and solutions. Afterwards, a more intense examination took place whereby small groups were formed for workshops with direct machine access.

## Successful start with 30 participants

The premiere event of the Innovation Days took place from September 29 to 30 in the Innovation Center on the new KORSCH Campus in Berlin. 30 participants learned about Continuous Manufacturing, Containment and the production of multi-layer tablets.



*Dr Robin Meier (2nd from right) demonstrated the particularly effective continuous granulation and drying at QbCon® 1 and inspired the participants.*

## INNOVATION DAYS 2021



"Once again, we wanted to maintain direct contact with our prospects and customers," Sales Director Burkhard Schmidt stated, naming one goal of the event. "We definitely succeeded in this, as we were able to achieve a great number of participants despite various current travel restrictions of the groups and companies," Schmidt sums up.

## Continued in May 2022 at Bohle

Even before the first event, it was clear to both companies that it would not be a one-off event. "We see great potential in the series, as both companies continuously present innovations and optimizations," says Tim Remmert (Executive Director). "This is exactly the information we want to communicate directly to our customers with the format. On site, we can provide information at the machines and comprehensively present our systems," Remmert continues.

From May 18 to 19, 2022, L.B. Bohle will host the next event and present the continuous plant QbCon® in the new Plant 4, which will be delivered to a

major German company a short time later. This plant enables the continuous production of coated tablets via wet granulation.

**"We see great potential in the series, as both companies continuously present innovations and optimizations. This is exactly the information we want to communicate directly to our customers with the format. On site, we can provide information at the machines and comprehensively present our systems."**

"In contrast to the event in Berlin, we are currently planning to offer the workshop in English, as we firmly believe that there will also be a greater willingness to travel internationally next spring," Schmidt concludes.

# L.B. BOHLE HONORS ANNIVERSARIES

## First Employee Celebrates 40 Years on the Team

This year was a particularly intense one in terms of jubilee celebrations: Since the honoring of anniversaries in 2020 unfortunately had to be cancelled due to the pandemic restrictions, two celebrations took place this year.

At both celebrations, Foundation Chairman Lorenz Bohle and Executive Directors Tim Remmert and Thorsten Wesselmann thanked the numerous honorees for their many years of loyalty and service to the company.

"I am pleased that the honoree groups are getting bigger and bigger," said Lorenz Bohle, looking around the very crowded room. "The fact that, in addition to the jubilarians with 10 and 25 years of working for the company, we are now increasingly able to welcome colleagues with 30, 35 and 40 years of service to the team. This crowded room means that we are an ever-larger group," Bohle was pleased to note.

### Numerous employees celebrate their jubilees

"Honoring employees is particularly important to us," reports Thorsten Wesselmann. "When you look at the lists with the names and dates, we are proud that the employees have remained loyal to the company for so long," Wesselmann continues.

### Robert Stauvermann 40 years at L.B. Bohle

Highlighting individual employees at anniversary events is not a common occurrence for company founder Lorenz Bohle. But in 2021, Robert Stauvermann, the company's employee from the very beginning, celebrated his 40 years of loyalty to the company.

"Robert Stauvermann is the first employee I hired. We look back on a long and successful time together, for which I would like to express my special thanks here," Lorenz Bohle concluded by paying tribute to his close confidant.



**Anni-  
versaries  
2020**

### 30 Years

Marek Schneider, Ludger Brune, Michael Probst

### 25 Years

Martin Schmitz, Sabine Brinkmann, Petra Löhner, Waldemar Stoll,  
Andreas Martens, Jörg Oesterwinter, Björn Wingenbach,  
Johann Neu, Ulrike Oppermann, Thorsten Pahlenkemper

### 10 Years

Eugen Lusin, Steffen Kelker, Katharina Knemeyer



**Anni-  
versaries  
2021**

### 40 Years

Robert Stauvermann

### 35 Years

Hubert Fartmann, Carsten Keller, Marius Rudolf Höner, Klaus De Bock

### 30 Years

Willi Strotmeier, Michael Andre, Klaus Mußenbrock,  
Mario Maskort, Helmut Weppel, Michael Reher,  
Andreas Kramer, Ralf Koplín, Volker Bähr

### 25 Years

Andreas Gloger, Wolfgang Löhner, Ludger Stöppel,  
Alexander Koch, Fuat Ucak, Mehmet Ucak

### 10 Years

Tobias Ohlmeier, Dietmar Brestel, Guido Schrameyer,  
Ute Mönnigmann, Daniel Baraban



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