



## TOPICS

Innovation Days 2022

Anniversary to be  
Celebrated Later

New Innovation Center  
in India

# INNOVATIV

THE CORPORATE MAGAZINE  
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## ***Dear readers,***

First of all, we hope that you are healthy and doing well. We are still living in turbulent times: The global pandemic and the associated difficulties unfortunately continue to concern us on a daily basis. But that is not all. Beyond the suffering and tragedies in the region, the war in Ukraine is already having a significant impact on our economic operations.

These two incidents are also causing our business year at L.B. Bohle to develop differently than planned and desired. We, too, are confronted with delivery problems and extreme inflation rates. The procurement of the material we need for our machines and plants becomes more and more complicated. Every day we do our best to meet the promised delivery dates so that our customers can produce on schedule.

### **Innovation Days a complete success**

Despite all the negative news, there are also positive events. On May 18 and 19, we welcomed almost 90 participants to our Innovation Days in Ennigerloh. The international guests learned about the topic of Continuous Manufacturing at the event, which we hold in rotation with KORSCH AG. The highlight of the event was the inspection and demonstration of the QbCon® 1 High Containment continuous production line we are building for a German pharmaceutical company.

### **BTC produces Corona drug**

Up until now, during the course of the Corona pandemic, the pharmaceutical suppliers who came to the forefront were mainly the companies producing machines for vaccine production or filling. With the approval of tablets that are effective against severe cases of Corona infection, our machines are now also increasing in demand. With our coaters of the BTC series, Pfizer has been successfully producing its EMA-approved drug Paxlovid since May 2022. Despite difficult conditions, we completed the order for tablet coaters on time and installed them at the customer's site.

### **ACHEMA in summer**

From August 22 – 26, the industry will meet for the leading trade fair ACHEMA in Frankfurt am Main. Despite travel restrictions in place for the companies, vacation time and the absence of visitors from Asia and Russia, we hope for a very successful fair.

We look forward to intensive personal discussions about our machines and technologies.

And, as always, we look forward to your visit at our booth hall 3.0 booth A49/A71, where we again cooperate with KORSCH AG.

Sincerely

***Tim Remmert & Thorsten Wesselmann***

Executive Directors

## Gala Event on September 16

### Anniversary: 40<sup>th</sup> Anniversary to be Celebrated Later

Due to the Corona pandemic, the anniversary event has not been under a good star so far. "Unfortunately, we have already had to postpone the event twice," reports Foundation Chairman Lorenz Bohle. "We had planned the last event for mid-May, but due to the high number of Covid cases in Germany, the postponement to September was the right move," Bohle continues.

L.B. Bohle looks back on a 40-year success story. Lorenz Bohle started with one employee after working as Technical Manager for a pharmaceutical contract manufacturer. Robert Stauvermann, who was the general plant manager for many years and retired in 2021, accompanied Lorenz Bohle on his journey.

#### Developments as a guarantee for growth

With a flair for the right decisions, courage, and a spirit of innovation – evidenced by more than 50 patents – Lorenz Bohle developed his company into a globally active and respected enterprise. In the meantime, L.B. Bohle Maschinen und Verfahren



*A flair for making the right decisions: Lorenz Bohle founded his company in 1981. Now the 40<sup>th</sup> anniversary celebration is being made up for.*

GmbH has become a globally recognized brand as a supplier to the pharmaceutical industry.

"The path we have taken can really be described as impressive," says Bohle with visible pride. "There are now about 280 employees working for the company and we have an international presence with subsidiaries in the USA, India and Switzerland," reports Bohle.

## Tradition meets **FUTURE**

#### Celebration for the workforce

Even though the company's 40<sup>th</sup> birthday is not traditionally celebrated on such a grand scale, it was particularly important to Lorenz Bohle to host this event to thank his workforce. "Our workforce is loyal to the company, and we have a long retention rate of employees. This knowledge and know-how coupled with identification and commitment are cornerstones of our company's success," says Tim Rimmert (Executive Director).

#### Gala event in the Ennigerloher Olympic Hall

L.B. Bohle Maschinen und Verfahren GmbH will celebrate the anniversary with about 600 guests. The venue will be the Ennigerloher Olympiahalle.

Musical highlights will be provided by the Brilon brass band from Lorenz Bohle's home in the Sauerland region. In addition, Ralph Brinkhaus (Member of the Bundestag), the former Chairman of the CDU/CSU parliamentary group, will be the keynote speaker.



# 90 PHARMACEUTICAL EXPERTS AT THE “INNOVATION DAYS”

## Focus on Continuous Manufacturing

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Continuity, perseverance, and innovative spirit payoff: In recent years, L.B. Bohle Maschinen und Verfahren GmbH has invested several million euros in the development of new machines and processes for the continuous production of pharmaceutical solids. “At the 2<sup>nd</sup> Innovation Days of L.B. Bohle with our partner, KORSCH AG, we will not only talk about the latest developments, but will also present the first complete plant as a reference

in our new Plant 4 in Ennigerloh,” said Executive Director Tim Remmert during his welcoming speech to the 90 participants.


For two days, experts from international pharmaceutical manufacturers, from the scientific community and from the participating mechanical engineering partners discussed the latest developments in the field of Continuous Manu-



# INNOVATION DAYS 2022

facturing. The new Plant 4 of L.B. Bohle in Ennigerloh, which was completed at the beginning of the year, provided the appropriate setting. The highlight of the event was the presentation of the entire continuous production line for the manufacture of tablets, which also included a highly acclaimed practical demonstration. In the run-up to the practical sessions on the current production equipment, Professor Peter Kleinebudde (Heinrich-

Heine-University Düsseldorf) and Dr. Robin Meier (L.B. Bohle) informed the participants with instructive lectures about trends and the current status of continuous production for pharmaceutical tablet manufacturing. Dr. Carsten Schmidt (Merck Healthcare KGaA) used the project as an example in his presentation to describe how extensive and changeable the selection process for finding the right supplier can be.



*The presentation and demonstration of the QbCon® 1 high containment system was the highlight of the Innovation Days. All participants were impressed by the technology.*



*Dr. Carsten Schmidt (Merck Healthcare KGaA) gave a transparent description of the process for selecting the right supplier and provided insights into the project process.*

### **Continuous Manufacturing is becoming established**

Just a few years ago, many in the pharmaceutical industry considered Continuous Manufacturing, i.e., the continuous production of tablets, to be just another technology. One that first raised great expectations, was highly hyped, but then failed just as spectacularly in practice. "And it's true that many technologies have unfortunately come and gone. But with Continuous Manufacturing, things turned out differently," reported Professor Peter Kleinebudde of Heinrich Heine University in Düsseldorf at the start of the two-day symposium.

### **"Plateau of productivity" reached**

This technology also went through the usual curve of initial euphoria, high expectations, disillusionment, crashing, and then turned away by many players. But the professor believes that the fact that innovation drivers like L.B. Bohle have stuck with it has ensured that Continuous Manufacturing will reach a "plateau of productivity," which is why the technology is now achieving a breakthrough. "The goal here is not that the entire manufacturing process has to be 100 percent continuous," Kleinebudde explained. It could also be just individual process steps. Depending on the product requirements, he said, Continuous Manufacturing varies in intensity.

### **Success in the second attempt**

Dr. Carsten Schmidt (Head of Drug Product Development, Merck Healthcare KGaA, Darmstadt) also highlighted persistence, innovative spirit and short decision-making paths at L.B. Bohle as success criteria. After an initial visit and discussions in 2016, Merck had initially decided against a project with L.B. Bohle in 2017. "But Lorenz Bohle, chairman of the foundation at L.B. Bohle, personally stayed on. He wanted to know why we made the decision we did," Dr. Schmidt recalls. The feedback resulted in a constructive exchange, and in 2018 the first prototype was tested. The experts now inspected the result of further joint development work during the seminar: a complete production line for the Continuous Manufacturing of drugs.

### **Intensive knowledge exchange**

The heart of the continuous tablet production line is the QbCon® 1 from L.B. Bohle for continuous wet granulation and drying. Together with a feeding and blending unit (Gericke AG), it is completely enclosed by an isolator from Franz Ziel GmbH. In addition, there is a BTS 100 series sieve, an XL 100 WipCon® tablet press from KORSCH AG and a KOCO® 25 semi-continuous coater. The system is fed by two HS 400 automated lifting columns.



# INNOVATION DAYS 2022

During the two-day Innovation Days, experts from other companies, such as KORSCH AG, Gericke AG and Franz Ziel GmbH, also presented the technical aspects of their special machines and their integration into continuous processes. The development work with these specialists has also proven to be a constructive “continuous process” over the years. In the beginning, there was no clearly defined end product of a complete plant. Rather, specific requirements were specified in various Continuous Manufacturing projects, in which the companies developed the optimum solution for the respective process using different machine components. “It is precisely this pragmatic and fast solution orientation that characterizes our develop-

ment work,” explains Dr. Robin Meier. As the QbCon® project presented shows, this also always involves combining the best technical components on the market.

At the end of the Innovation Days, host Tim Remmert and company founder Lorenz Bohle expressed their satisfaction with the intensive exchange of knowledge among the pharmaceutical experts. The Innovation Days format will be continued in the future. “The response was positive throughout, and we are very pleased to have not only informed the participants about our processes and equipment, but to have inspired them,” concluded Tim Remmert.



*Finally, another on-site event: 90 participants from all over the world actively took part in the event and exchanged lively views on current trends and topics.*

# NEW INNOVATION CENTER IN INDIA

## Joint Location with KORSCH AG

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On April 28, 2022, the time had come: In mid-summer temperatures and with more than 100 guests, L.B. Bohle and KORSCH AG inaugurated the new Innovation Center in Hyderabad, India.

Both companies use the Innovation Center as a competence center for tests and trials on the installed process machines, the sale of equipment and spare parts as well as other technical services.

“The Indian pharmaceutical market is still one of the fastest growing markets in the world,” reported Thorsten Wesselmann (Executive Director) at the opening ceremony. “The country is becoming a main production country for the global pharmaceutical industry and is therefore highly interesting as a market for L.B. Bohle,” Wesselmann continued.

“In recent years, we have succeeded in winning several projects for granulation, blending and coating plants in India and neighboring countries,” adds Parag Radia (Director L.B. Bohle India). “Through the Innovation Center and the even more intensive cooperation with KORSCH, we hope to give a further boost to our sales activities in the region,” Parag Radia continues.

### Inauguration and workshop

Parallel to the ceremonial traditional Indian inauguration, which was carried out by Executive Director Thorsten Wesselmann together with Stephan Mies, CEO of KORSCH AG, both companies had invited guests to the Innovation Days India. The “Who’s Who” of the Indian pharmaceutical industry accepted the invitation of the two German technology leaders.



*At the Innovation Center in Hyderabad, L.B. Bohle and KORSCH AG offer optimal conditions for product testing and process optimization.*



## 3 Questions to...



**THORSTEN WESSELMANN**  
EXECUTIVE DIRECTOR

**1. Mr. Wesselmann, you were on site in Hyderabad for the opening of the Innovation Center. What were your impressions?**

**Thorsten Wesselmann:** The opening of the site was a very successful event. We were able to welcome numerous guests who are highly respected in the industry. Moreover, it is amazing in how short a time the site was set up.

**2. L.B. Bohle operates the Innovation Center together with KORSCH AG. What are your plans?**

**Wesselmann:** We already have years of successful cooperation with KORSCH AG, which has proven itself in numerous projects, but also at events and trade fairs. Together, we want to strengthen our position in the highly interesting Indian market through the Innovation Center. We have set up a competence center to be able to test our processes and machines, optimize processes and hold workshops and training courses.

**3. Which machines and systems do you primarily want to place in the Indian market?**

**Wesselmann:** We see great potential in the market, especially for our blending, granulation and coating applications. We already have references in India for these process steps. With our equipment, our customers reach a higher level. Among other things, we guarantee increases in the areas of quality, speed and resource efficiency.

***“The Indian pharmaceutical market is still one of the fastest growing markets in the world. The country is becoming a main production country for the global pharmaceutical industry and is therefore highly interesting as a market for L.B. Bohle.”***

**THORSTEN WESSELMANN**  
EXECUTIVE DIRECTOR



*Parag Radia, Director L.B. Bohle India, explains the advantages of the LM 40 laboratory blender. The interest in the machines “Made in Germany” is high in India.*

### **Innovation Center with numerous machines**

“The Innovation Center offers our customers and interested parties a wide range of machines and services,” explains Wesselmann. “Furthermore, we support process optimization and product formulation, provide training for companies and offer seminars.”

**“Our goal is to offer machines for every process step in the Innovation Center. So far, a PM 400 container blender as a wall-mounted unit, lifting columns for feeding the KORSCH tablet presses and a BTS 200 sieve have been installed.”**

*Thorsten Wesselmann*

Analogous to the Service Centers in Germany and the U.S., machines from the German SMEs are installed in the Innovation Center. “We very much hope for a high demand for machine tests, so that we can show prospective customers our advantages in terms of quality, speed and sustainability,” says Parag Radia, moving advantages of German technology companies into focus.

### **Machinery to be expanded**

“Our goal is to offer machines for every process step in the Innovation Center,” Wesselmann gives an insight into the plans in Hyderabad. “So far, a PM 400 container blender as a wall-mounted unit, lifting columns for feeding the KORSCH tablet presses and a BTS 200 sieve have been installed.”

In addition, interested parties and customers will also be able to use a BRC 25 for dry granulation and the BTC 100 tablet coater for test purposes.



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## 3 Questions to...



**PARAG RADIA**  
DIRECTOR L.B. BOHLE INDIA

### 1. *The Innovation Center was opened on 28 May 2022. What do you expect from the new Innovation Center in Hyderabad?*

**Parag Radia:** This is really a great initiative from senior management to open an Innovation Center in Hyderabad. This will help Indian customers to challenge our technology and come forward to conduct trials on our innovative and user-friendly machines from L.B. Bohle, Germany. We are confident this will add a lot of value in OSD manufacturing with our large and innovative range of equipment. This center can be used for product trials as well as a training center for our customers from India and neighboring countries.

### 2. *What is the current position of L.B. Bohle in the Indian market?*

**Radia:** L.B. Bohle has emerged as an “Innovative Solution Provider” company over the past 10 years in India. Our customers recognize our creative solution to achieving their objective.

They look at us as not only a machine manufacturer but as a “Full Solution Provider”, which means using the latest technology with process expertise as well.

### 3. *What challenges do you see and what goals would you like to achieve with L.B. Bohle?*

**Radia:** It is always a challenge to convince Indian customers about TCO (Total Cost of Ownership). This market is price sensitive due to the fact that India is a Global Contract Manufacturing hub or Pharmacy to the world. We offer very attractive benefits in terms of substantially lower OPEX (Operational Expenses) and huge cost savings daily rather than saving only once with lower CAPEX (Capital Expenditures). Our goal is to achieve a market leadership position as an Expert-Technology-Integrator-Company rather than just a machine builder.



# TABLET COATERS PRODUCE CORONA DRUG

## Two BTC 400 for Site in Ireland

Vaccination offers the best protection against Covid-19, but in the meantime some drugs are also helping sick patients. Pharmaceutical companies have been very quick to develop new drugs, and since global demand is high, production capacity must also be adjusted.

“In the fall of 2021, we received an order from one of the world’s largest drug manufacturers Pfizer to manufacture two BTC 400 tablet coaters for the production of a Corona medication,” reports Executive Director Tim Remmert. The customer is very familiar with the coaters of the BTC series and is already successfully manufacturing other products on the systems. The customer is impressed by the excellent coating results and the efficiency of the system, so that two new coaters have now been added to the machine park.

### Short delivery time as a challenge

“The big challenge in the project was to complete both units in half the delivery time,” reports Remmert. “Since we are talking about a standardized system in a BTC, the shortened production

time was certainly a difficult task, yet we knew we could handle it with our well-coordinated team,” Remmert gives an insight into the project process.

Pfizer plans to use the two tablet coaters to produce Paxlovid that has been approved by the European Medicines Agency EMA in the EU in January 2022. The preparation is taken as a tablet. It can also be prescribed by office-based physicians for adults with Covid-19 who do not require supplemental oxygen but are at increased risk for severe disease progression. According to the results of a study of high-risk patients, therapy started within five days of covid symptom onset reduced the risk of hospitalization by a relative 89 percent.

### Successful installation of the BTC 400

Following a successful and straightforward FAT in early May 2022 in Ennigerloh, installation of the equipment took place at Pfizer’s site in Ireland. Thanks to effective preparation at the plant, which Tim Remmert saw for himself in February, both machines were successfully installed as quickly as possible.



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

# L.B. BOHLE AND KORSCH AG AT THE ACHEMA TRADE FAIR

Joint Presentation in August



## ACHEMA2022

August 22–26, 2022  
Hall 3.0 Booth A49/A71

Cancelled, postponed, and rescheduled: The planning of ACHEMA 2022 also demanded a high degree of flexibility from the exhibiting companies. From August 22 – 26, the leading international trade fair for the process industry will now open its doors.

“We expect a different trade fair than before,” says Burkhard Schmidt (Sales Director). “The worldwide pandemic, travel restrictions and also the war in Ukraine will greatly impact on the trade fair,” Schmidt continues.

In general, partners L.B. Bohle and KORSCH AG expect significantly lower visitor numbers than in previous years. “Of course, we have also discussed whether it makes sense to participate, but a cancellation was never on the agenda,” says Tim Remmert (Executive Director). “We are expecting fewer visitors, but we are hoping for a qualitatively good attendance, especially from Germany, Austria, and Switzerland,” reports Remmert. However, he does not see the usually large number of international visitors at this year’s event.

### L.B. Bohle with numerous exhibits

On a joint booth area of more than 400 m<sup>2</sup>, L.B. Bohle and KORSCH will provide information on current topics and trends in the industry. It is important for both companies to be present with machines. “Our visitors at the booth expect to be able to see and touch machines live on site. We naturally meet this expectation,” says Remmert, giving initial insights into the company’s trade show concept.

“In addition to machines for batch production, we will focus on systems for Continuous Manufacturing,” says Remmert. With QbCon® 1 – a truly continuous wet granulator and dryer for research and development – and the BRC dry granulator, L.B. Bohle will present two systems that produce continuously. In addition, L.B. Bohle will show further case studies from the field of Continuous Manufacturing.

### Cooperation with KORSCH a guarantee for success

At this year’s ACHEMA, L.B. Bohle will again exhibit together with KORSCH at booth A49/A71 in hall 3.0. “Our joint trade show appearance only creates advantages for both partners. Our customers and visitors have praised the cooperation very much,” reports Burkhard Schmidt.

In addition to joint global trade show activities – including in the USA and India – the two companies also cooperate on development and customer events.

“The Innovation Days workshop series launched in 2021 has shown to be a real success, and therefore we will implement this concept globally. The joint Innovation Center in India will also strengthen our partnership. In addition to L.B. Bohle and KORSCH, most importantly it is the customers who will benefit the most from the synergies created,” Schmidt concludes.

### More information:

[www.your-process-in-mind.com](http://www.your-process-in-mind.com)



### Our machines at the ACHEMA:

- ✓ **QbCon® 1** – Truly continuous wet granulator and dryer
- ✓ **BRC 25** – Dry granulator
- ✓ **BFC 5** – Laboratory coater
- ✓ **LM 40** – Laboratory blender
- ✓ **BTS 200** – Conical sieve
- ✓ **BTM 150** – Hammer mill

# PLANT 4 COMPLETED ON SCHEDULE

## Production Successfully Started in Spring

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After a good one-year construction period, L.B. Bohle has started production in the new Plant 4. "Due to the mild winter, we did not experience any delays and even the bottlenecks in material procurement did not cause us any major difficulties," reports Foundation Chairman Lorenz Bohle about the construction phase.

On a 12,000 m<sup>2</sup> site, a production complex of approx. 2,000 m<sup>2</sup> has been built according to the latest standards. L.B. Bohle will exclusively manufacture machines for continuous production there.

### **High demand requires construction work**

"Overall, we see a high international demand for our machines for Continuous Manufacturing – the number of projects is increasing," Bohle gives

an insight into the current situation. As a pioneer, L.B. Bohle has been active in process development around continuous processes for more than a decade and is recognized as an expert worldwide. "Our plants of the QbCon® series are technological leaders and secured against imitation by extensive patents and patent applications," says Dr. Robin Meier (Manager Scientific Operations).

The increased demand and, above all, the significantly longer project runtimes made it necessary to invest in a new production facility. "In the previous plants, we reached our capacity limits or the infrastructure was not optimally designed for the requirements of Continuous Manufacturing," reports Dr. Meier. Therefore, the new building made sense from many aspects.



*Plant 4 was built in the immediate vicinity of Plant 3 in Ennigerloh. Production of the machines has already successfully started.*





**Major project for the start of production:  
Complete production plant for processing  
highly potent active ingredients.**

**Optimal conditions for FATs**

“In the new Plant 4, we find unique conditions for offering our customers testing and acceptance possibilities under optimized conditions. This applies in particular to plants in the high containment sector with regard to operators and drug protection at an early stage,” Dr. Meier adds.

*“In the new Plant 4, we find unique conditions for offering our customers testing and acceptance possibilities under optimized conditions. This applies in particular to plants in the high containment sector.”*

**DR. ROBIN MEIER**  
MANAGER SCIENTIFIC OPERATIONS

**Major project for the start of production**

With a continuous production line from the QbCon® series for the production of tablets by means of continuous wet granulation, a large-scale project is waiting for the L.B. Bohle team at the start of production.

The overall plant consists of a QbCon® 1 for continuous wet granulation and drying and a feeding and blending unit (Gericke AG), each completely enclosed by an isolator from Franz Ziel GmbH. In addition, there is a BTS 100 series sieve, an XL 100 WipCon® tablet press from KORSCH AG and a KOCO® 25 semi-continuous coater. The system is fed by two HS 400 automated lifting columns.

# NEW MANAGEMENT DUO IN PLANT 2

## Enrico Knaup Heads Production in Sassenberg

Enrico Knaup has taken over as Plant Manager at the Sassenberg site as of May 1, 2022. Plant 2 mainly produces blenders and handling components such as containers, sieves, mills or lifting columns.

**“Enrico Knaup, like his deputy Markus Maßmann, has been active in Plant 2 for many years and is very familiar with all the processes. Both are recognized among the workforce, very well connected and have the full confidence of both Executive Directors.”**

*Thorsten Wesselmann*

Until the departure of Robert Stauvermann at the end of last year and the transfer of Mario Maskort to Ennigerloh as General Plant Manager, Maskort had initially still managed the Sassenberg site.

### Contact person on site

“It was important to us to have a responsible contact person directly at the plant,” says Thorsten Wesselmann (Executive Director). “Due to the large number of tasks at the sites and the physical distance, Mario Maskort’s presence was very limited in Sassenberg,” Wesselmann continues.

Together with Mario Maskort, management discussed the situation and decided upfront and amicably to hand over production responsibility in Sassenberg to Enrico Knaup.

“Enrico Knaup, like his deputy Markus Maßmann, has been active in Plant 2 for many years and is very familiar with all the processes. Both are recognized among the workforce, very well connected and have the full confidence of both Executive Directors,” concludes Wesselmann.



**Close cooperation: General Plant Manager Mario Maskort, right, has already worked successfully with Enrico Knaup in Sassenberg for many years.**

# PANORAMA TOURS BRING TECHNOLOGY CENTER TO LIFE

Discover the Service Center and Technology Center virtually

The Service Center and the Technology Center at the headquarters in Ennigerloh are an integral part of the comprehensive services offered by L.B. Bohle. With these Centers, interested parties and customers can intensively familiarize themselves with the machines and capacities in advance of a visit.

“We present our test centers in a 360° panorama tour. The users decide for themselves what they want to see or what particularly interests them,” explains Burkhard Schmidt, Sales Director. “We provide extensive information on all installed systems and explain important details in videos,” says Schmidt, providing further insights into the application.

## Service Center for testing and process optimization

At the Service Center in Ennigerloh, pharmacists, engineers, process, and software specialists work hand in hand at L.B. Bohle. Since 2005, tests can be carried out on the entire manufacturing process of pharmaceutical tablet production on a pilot scale. The installed machine components are continuously updated or replaced to match the current product range in each case. Trials for batch sizes from 10 to 30 kilograms are possible on more than 600 m<sup>2</sup>.



*The TriPan film coater is a flexible coating system and can be operated with three drums of different sizes.*



*Development centers can be experienced: For the Technology Center and the Service Center, L.B. Bohle now offers a 360° panorama tour.*

## Technology Center – focus on Continuous Manufacturing

In the Technology Center, which was inaugurated in 2015, L.B. Bohle focuses on the topic of Continuous Manufacturing. The Technology Center serves as a platform in which continuous processes are advanced holistically. The installed pilot plant QbCon® enables the production of oral solids at a throughput of 5 to 25 kg/h. Due to the modular design of QbCon®, production can be realized by direct compression, wet granulation, or dry granulation. Of course, tests can also be performed on the individual components for continuous granulation or continuous coating.

**360°**

*Virtual 360° Tour*  
[www.lbbohle.de/viewer](http://www.lbbohle.de/viewer)





# L.B. BOHLE A REAL HIDDEN CHAMPION

## Study by the State of NRW Identifies Hidden World Market Leaders

During a study, the State of NRW has identified L.B. Bohle Maschinen und Verfahren GmbH as a hidden champion in North Rhine-Westphalia.

Hidden champions are “secret world market leaders” who are particularly innovative and highly specialized and who offer customer-oriented innovations. In this way, they succeed in integrating customer needs and technology better than large companies.

“When we learned about this award, we were naturally proud to be accepted into this circle of companies,” reports Tim Remmert (Executive Director). “We are active in a rather little-known industry and work purely in the B2B sector, so our public exposure is certainly limited,” Remmert continues.

### High-tech from Ennigerloh in demand worldwide

The technology company with four sites in Ennigerloh and Sassenberg develops and produces machines and processes primarily for pharmaceutical tablet production. The term “hidden champion” applies to L.B. Bohle, which was founded in 1981.

“As a rule, citizens have no direct connection to our products, but they do to the end products that are produced with our systems. After all, almost everyone has medicines or tablets at home,” explains Remmert. The presence of our technology at almost all well-known manufacturers means that a high proportion of tablets are produced with our machines.”

### Important economic significance

“Hidden champions” make a significant contribution to the economic strength of small and medium-sized enterprises and thus to Germany as a business location. They thus have a significant overall social responsibility. Secure jobs are created, including above all in non-metropolitan areas. The companies and their employees are also important taxpayers and promote consumption in the respective region. In addition, companies are often involved in social and charitable activities. They are known to support local sports and cultural clubs as well as promote other initiatives.



**Strong team:** As a true “hidden champion”, L.B. Bohle supplies pharmaceutical companies worldwide with its machines and processes. Not always known to the general public, the company has developed into a market and technology leader over the course of time.

# L.B. BOHLE AT THE “MachMit” TRAINING FAIR

## Company Introduces Itself to Trainees of Tomorrow

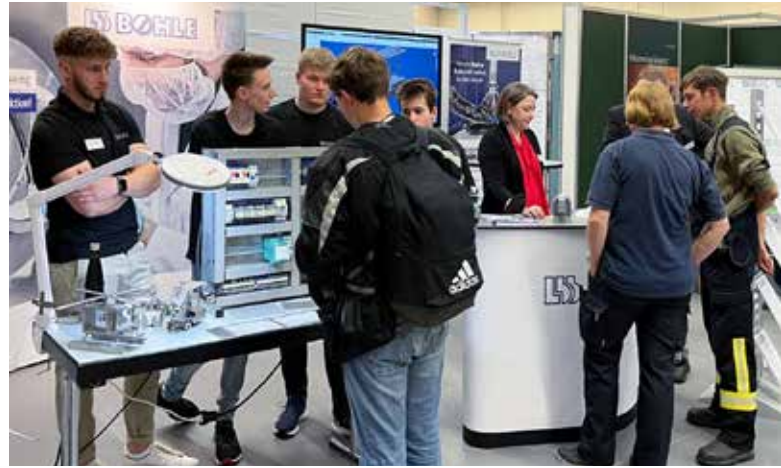
Well-trained specialists are the key to lasting success. Once again, L.B. Bohle presented itself at the training fair “MachMit” in Oelde. After the fair had to be cancelled in the previous years due to the pandemic, numerous companies were once again involved in presenting their training positions and attracting future trainees.

“The topic of training is becoming increasingly important at L.B. Bohle,” says Thorsten Wesselmann, Executive Director, from the Ennigerloh-based technology company. “In previous years, we focused our training on industrial-technical training. More currently, we are encompassing a much broader base,” explains Wesselmann.

### New training courses starting in summer

From August 1, 2022, L.B. Bohle will train IT specialists in the fields of system integration and digital networking. In addition, technical product designers and a specialist for warehouse logistics will start their professional careers at the Ennigerloh-based expert for pharmaceutical machines. Furthermore, L.B. Bohle is again training industrial mechanics, electronics technicians and cutting machine operators.

“The training of skilled workers is a matter of course for us, especially today. In the entire Münsterland region, the number of training contracts is declining. Not only are we staying the course and continuing to train as planned, but we are even expanding our range of apprenticeships,” says Wesselmann, emphasizing the importance of training. “As a company firmly rooted in Ennigerloh, we are very happy to fulfill our mission as trainers. After all, today’s trainees are our skilled workers of tomorrow,” Wesselmann continues.



**High footfall at the stand: Numerous pupils informed themselves about the apprenticeship L.B. Bohle’s training program.**

Every year, the Ennigerloh-based company – whose machines are used worldwide in the pharmaceutical industry – trains young people and offers apprentices opportunities in the growing company after successful training.

### Perspective after the training

“During the training period, the trainees get to know our machines and processes as well as all workflows intensively. Therefore, it is advantageous for us to retain this know-how and skilled worker potential after the apprenticeship,” Klaus Emmerlich, coordinator of industrial-technical training, outlines the perspective of the apprentices. After successful completion of the initial training, L.B. Bohle offers not only a valuable job but also extensive opportunities for further training and development, such as a practice-integrated degree program.



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