



## PROCESS TECHNOLOGY PHARMA

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**Solutions. From the pioneer.**



## INNOVATIVE PROCESS TECHNOLOGY, FROM ENGINEERING TO QUALIFICATION

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As pioneers of fluidized bed technology, we have more than 60 years of experience in the development of groundbreaking process solutions for the pharmaceutical industry. We specialize in systems used for processing and handling materials for the production and refining of solid dosage forms. From the lab all the way to the production scale.

With our expertise as the market leader in life science plant engineering for drying, granulation, pelletizing and coating technology, we will assist you with our innovative solutions for the production of tablets and pellets. Individually customized to meet your needs.

Here, our expertise combines the following three areas: We know the requirements of the pharmaceutical market. We understand the development and production processes for solids production. And we develop customized concepts. This combination makes us a reliable partner in the pharmaceutical industry for small-scale operations up to global players.

To assist you with the translation of your product ideas into optimized processes, we are also able to offer you Glatt Pharmaceutical Services' expert know-how. For your head start in the market.

Our product range encompasses the entire process chain: From the weighing to the handover to the tablet press – to the coater – and, finally, to the packaging line. With solutions for batch and continuous operations. Thanks to our latest technological developments, you are now, for the first time, able to convert your batch processes into continuous operation. A true innovation to help you achieve market success.

If so desired, our complete solutions can also include Total Containment and SC Superclean® designs with fully automatic cleaning. Customized to fit your needs.

Solutions for your processes. That is our service commitment to you.

# Solutions. Designed for you.



## OPTIMAL PLANNING

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No matter how complex your requirements are – we will develop the right solution for every challenge. Right from the start, during the planning stage, we devise a customized concept for your specific needs. In doing so, we are able to systematically integrate all of the required processes. Here, each of our planning services follows the same premise: To optimally utilize the combined expertise of our specialists and ensure that the process runs smoothly. Efficient and reliable. Exactly how you want it to be.

Our technology centers for process development are located in Binzen, Germany and Ramsey, USA. Offering state-of-the-art lab, pilot and production equipment, these sites have all the required certifications for manufacturing drugs. We would also be happy to produce clinical samples for you, if desired.

The process can be optimized in the production lines even before the technical implementation takes place. Here, our technical capabilities allow for a seamless scale-up all the way to the production scale. This means that all the capabilities can be addressed during the planning phase, always with the goal of optimally integrating the process interfaces with each other. Quickly. Effectively. Perfectly tailored.

Even when it comes to the most challenging processes, we are able to achieve reproducible quality. Here, our process analytical technology (PAT) offers process and product-related data that is easy to evaluate and that allows for verifiable conclusions to be drawn regarding product quality. For your success in the market.

Solutions for your specific needs. That is our benchmark.

**Solutions. Made real for you.**



## PREMIUM QUALITY “MADE BY GLATT”

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Intelligent design and precise German workmanship are deeply engrained in our heritage and tradition. This has been the constant driving force behind the high level of quality of our systems for more than 60 years.

For each machine and manufacturing plant that bears the name Glatt, one basic principle prevails: All essential components are developed in-house and are manufactured in our own facilities. It is this production depth that ensures the exceptional quality of our products.

There's one thing you can therefore always rely on: When it comes to your plant, we set the highest standards for materials, craftsmanship and refinement, down to the last detail. Over several decades, we have continuously perfected our manufacturing know-how, so that your plants and production lines operate effectively and sustainably.

This also applies to automation solutions that are “made by Glatt”: Our specialists in the field of system integration ensure the proper programming of intelligent system controls and the configuration of reliable IT systems. During this process, we collaborate with leading software partners. For the efficiency of your processes.

Solutions of premium quality. That is our standard.

**Solutions. Installed for you.**





## QUICK AND PROBLEM-FREE IMPLEMENTATION

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During the delivery process of all Glatt products, one thing is certain: You can leave all the details to us. We install your system ready-to-run and ensure that it can be used immediately. And, of course, that it is operating reliably from the very first day forward.

Our skilled experts will work with your site team and provide you with a professional execution plan. We will also handle the qualification, validation and associated documentation. Only once your machine is running flawlessly on-site does the final inspection take place. For a safe process flow.

An expert introduction to the technology equipment also takes place, of course. We offer comprehensive training sessions to help you master the new technology and the entire production processes. In the event that you would like to start production right away, our service will save you precious preparation time: Even before the installation takes place, your production teams can be trained on the same or similar machines in our technology center. Our new technology center is equipped with the most state-of-the-art process analytical technology (PAT).

Solutions for an optimal start to your processes. That is our service for your success.

**Solutions. Guaranteed for you.**



## INDIVIDUAL SERVICES

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You and your specific needs are at the core of our philosophy. Whether it's during the planning stages, the fabrication or after the installation of your installed machine:

With our comprehensive pre-sales and after-sales service, we are here for you at every stage of the process. We consider ourselves to be your partner whom you can count on throughout the entire lifecycle of your systems.

You would like to speak with an expert? You are in need of competent advice before, during or after your purchase? You are looking for the ideal technology for your production?

You can count on us: We will support you with the right solution.

With Glatt, one principle prevails: you are treated the same after an order as before one.

Even after the setup of your system has been completed, we ensure that it runs smoothly and optimally by utilizing our telemaintenance via remote access. In the event that you do require immediate assistance, we are ideally prepared: Our service portal lets us provide you with quick and efficient troubleshooting and spare parts supply, even for older machines and systems.

Would you like to convert or upgrade your machines? We look forward to advising you even during your process optimization, particularly and when it comes to performance enhancements for your machines and process chains. You can count on it.

Solutions for your satisfaction. That is our philosophy.

**Solutions. For your success.**



## GREAT PROCESSES – SUCCESSFUL CUSTOMERS

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There are numerous reasons for a pharmaceutical company to choose a machine, a system or an entire production line manufactured by Glatt. Nonetheless, we continuously ask ourselves what our many longtime customers consider to be the key factors in their decision.

Maybe it's our knowledge base? Or our experience and expertise when it comes to the processing and refinement of solid dosage forms? Our reputation as a pioneer, having made the first fluidized bed dryer technology for the pharmaceutical industry? Or is it our innovative processes and technological developments that have been perfected over time for the production of solids? Perhaps it's just our competence when tasked with developing high-quality process solutions for individual customer requirements?

We probably won't be able to definitively answer the question at this point. But one thing is certain: Our customers count on our reliable systems and processes. And therefore on a risk-free investment that provides them with an advantage in the market. After all, our successful worldwide customers rarely end up buying from Glatt only once. And this has been the case for more than 60 years now.

Solutions for your success. That is our passion.

**Solutions.**

**For you, entirely from a single source.**



## COMPREHENSIVE. INDIVIDUAL. INNOVATIVE.

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For all services that fall under the name Glatt, one thing always applies: You will receive one-of-a-kind, time proven and robust solutions from a single source. Interacting with our additional three areas of expertise, Process Technology Pharma provides a high-performing, reliable and trustworthy partner.

Glatt offers you a comprehensive range of services, innovative technologies and individualized attention. You get the assurance from the start that we will accompany you through the entire development of your process. From the design and initial concept to the complete solution and reliable solution. We offer an expanded portfolio via Excellence United, our skilled network in the area of specialty machine manufacturing for the pharmaceutical industry. This allows us to cover the entire spectrum, if desired, all the way to the packaging technology. You benefit from comprehensive services from just one source.

Solutions for your success. That is our mission.

- » *Pharmaceutical Services*
- » **Process Technology Pharma**
- » *Process Technology Food, Feed & Fine Chemicals*
- » *Process & Plant Engineering*

Glatt. Integrated Process Solutions.



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