

FrymaKoruma
› technology in motion

FrymaKoruma ProTec
Process Technology and Training Centre

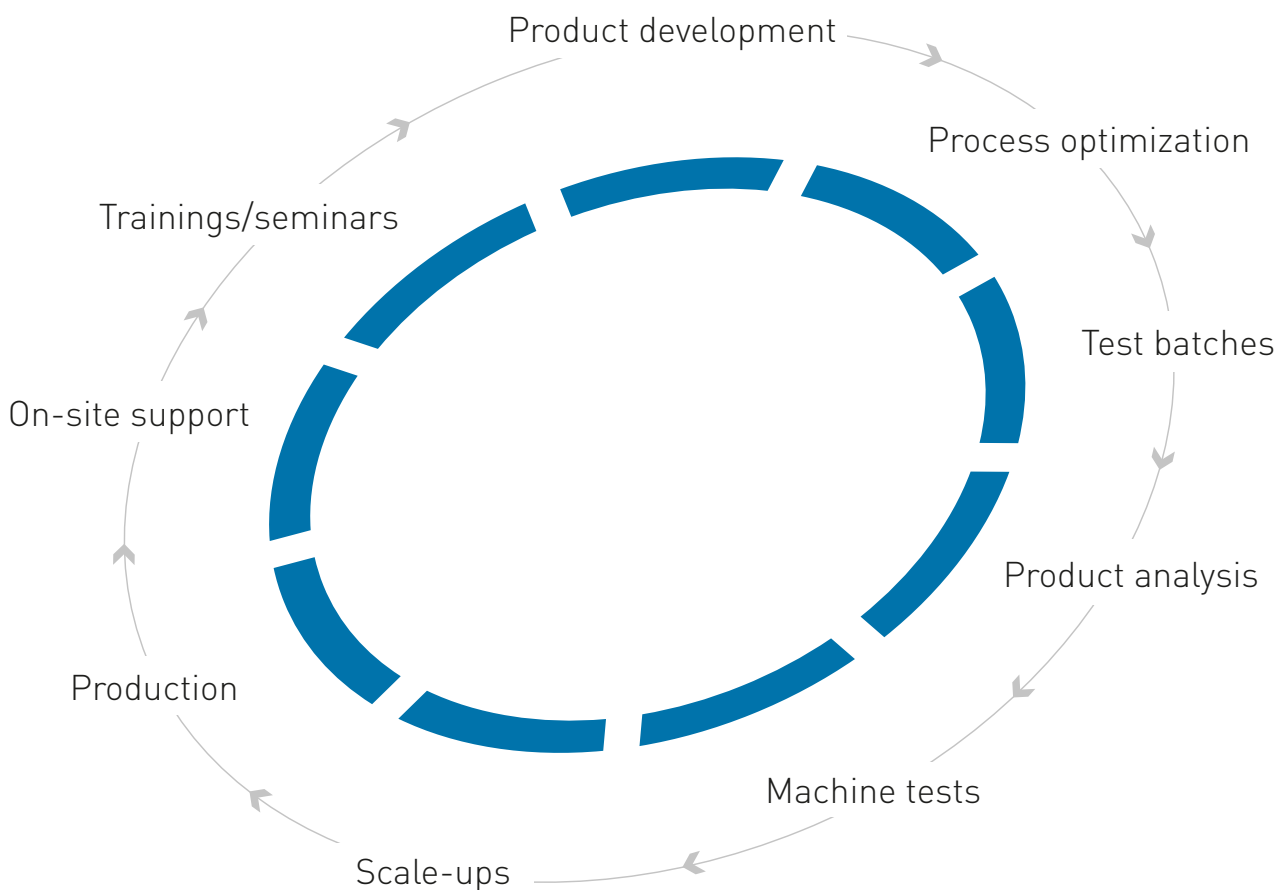


Extensive process technology and engineering services

FrymaKoruma is one of the world's leading suppliers of materials processing machines and processing installations. With more than 23000 machines in use in over 180 countries, we place great emphasis on customer support and our dedicated service team offer professional advice and support on demand. Our sector and product specialists within ProTec (our Process Technology and Training Centre) can assist you in developing new recipes for your existing machines, optimize your processes or provide detailed training. FrymaKoruma offer a comprehensive after market service for the care and maintenance of your machines.

ProTec – Skills centre for process engineering

Our Process Technology and Training Centre is a platform that allows you to get to know and test the latest FrymaKoruma technology. ProTec offers numerous opportunities for developing and optimizing your processes and installations. Here you can test formulations, set up test batches, and carry out scale-ups or project studies. With 15 different process machine types, the most modern equipment and a recently set up analytical laboratory, our customers benefit from world class facilities and our experience in the development of liquid and semi-solid products. Profit from the years of experience of our experts in wet milling and process technology.





Process Technology and Training Centre

Product development and process optimization

Materials processing techniques undergo constant development and new challenges such as reduction of energy consumption and faster processing times are more important than ever. Take advantage of the broad range of ProTec services to develop and optimize your products and processes. We are keen to help you achieve your production improvement objectives and our experts are happy to introduce you to the newest findings and innovations in the field of process technology.

Together we can find individual solutions to develop and improve your process!

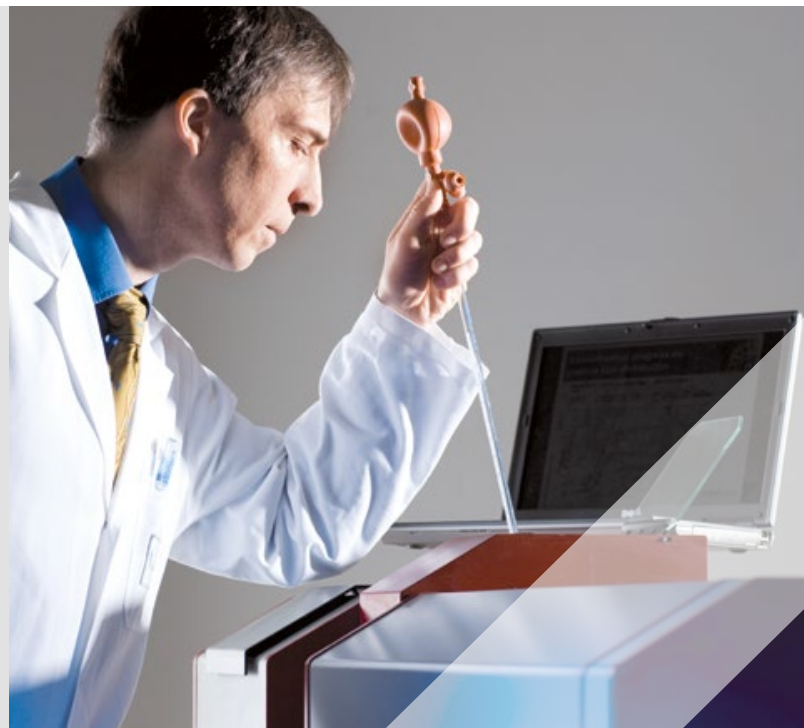
Made-to-measure scale-ups

Let us carry out time-consuming and costly scale-up activities on your behalf! Once your formulations have been tested and refined in small batches in our analytical laboratory, the procedures must be prepared for production conditions. With state-of-the-art equipment available and a team of process experts, ProTec can carry out a scale-up to your required batch size in one or several stages. You can rely on our experts' years of experience for the perfect mix!

The ProTec team can develop the ideal procedure for you!

ProTec quality control

Do you need special analytical instruments for carrying out quality control checks? We can provide the right equipment. ProTec holds a wide range of state-of-the-art devices for analyzing your products and processes. Test and modify your formulations under the guidance of our specialists!





Test before you invest!

Are you interested in investing in FrymaKoruma technology?
Thank you for putting your trust in us!

At the ProTec, you have the opportunity to extensively test and fully understand your planned new investment. Experience the improvements in product quality and batch processing times that our technology bring before introducing the technology in your company.

[You can rely on us!](#)

A professional resource for process expertise and training

Research and development is a continuous process in which we are happy to be involved. We welcome the opportunity to share your thoughts and ideas with a view to helping you make improvements in your process.

ProTec is an interface between theory and practice. We can organize training sessions tailored specifically to your requirements and with professional guidance, you can develop products or improve processing times which improve the profitability of your company.

Profit from our international involvement with numerous research facilities and universities.

[See for yourself!](#)

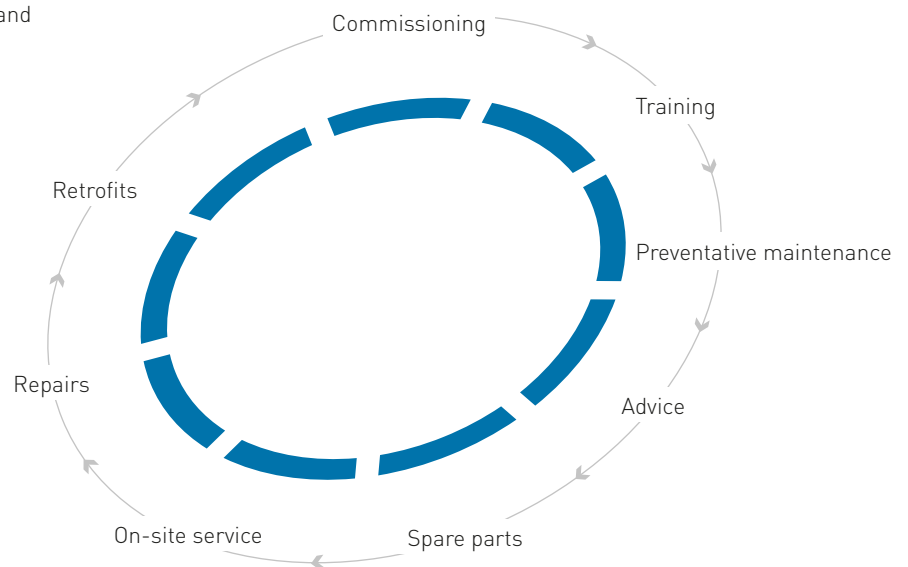
FrymaKoruma seminars – expert knowledge gained by practice

The target of our series of seminars is to share our expert knowledge with our customers. The right mix of theory and practice is very important to us and the lectures and trials will be a benefit for all participants, providing a wealth of new information and process suggestions. Additionally, there will be ample opportunity to discuss specific problem areas with speakers, industry experts and other participants. Ideal for new employees, the seminars offer an excellent opportunity to familiarize oneself with the processing equipment.

Customer Service – Continued customer satisfaction!

Do you want to operate your new installation economically over a long period? You can rely on our after market service team to provide a comprehensive range of products and services that ensure your machines are always ready for production.

At FrymaKoruma, we see the commissioning of your new installation as the start of a long-term partnership. We believe that continued, smooth production delivering maximum efficiency and profitability over many years requires programmed maintenance. Multi skilled FrymaKoruma specialists are available to support your staff with the support they need. On-site service and sharing of detailed information and experience when required.



“FrymaKoruma – continued customer satisfaction!”





Secure production

It is important to us that your new machine runs perfectly when it arrives on site which is why we like to look after the installation and commissioning.

After installation, our service team oversee the test phases and can support you during your validation activities. Detailed training is important so we train your personnel on site until your employees feel comfortable with the new technology. If required, we can run the first production batches with you to ensure that we give you a smooth handover.

[We provide a secure start!](#)

Expert advice

Do you have a new production challenge? You can rely on our confidentiality when dealing with our specialists in mechanical engineering and process technology. With an up-to-date knowledge of the latest processing techniques, we can help you to develop optimal solutions to meet your production challenges.

[Our service team is ready to advise you!](#)



Always up-to-date

Process technologies constantly evolve. You can benefit from upgrades to your equipment and automation system that encompass the newest innovations and ideas. We can make improvements to your existing equipment which can reduce your batch processing times and improve your Overall Equipment Efficiency, or, we can give your older machine a new lease of life. Upgrades and overhauls are carried out on site or at our facility in Switzerland and we guarantee our results.

We can increase the value of your existing machine!

Global seamless service

Contact us when you need a fast response, we can be on site within 24 hours and you can rely on our expertise! Our network of service technicians are available at any time.

We are always there for you!

Reliable spare parts service

Do you urgently need a replacement part? We can deliver wear parts within 24 hours. Ask about our top 500 program, we stock the 500 components most frequently requested. This program results in quicker deliveries and therefore improved customer satisfaction. Further, we can supply you with details of the recommended spares for your particular machine. Is your machine an older model? You can rely on our seamless service. We produce replacement parts for the entire range of machines. You can profit from our flexible production capacities and short delivery times.

With us, you can maximize your uptime!

At your service!

We are on hand whenever you need us. A range of service agreements from FrymaKoruma provide preventative service and maintenance for installed equipment, enabling machine performance to consistently meet production targets. Service agreements are normally tailored to meet customer requirements and you can decide the frequency and cost. Regular maintenance protects against production downtime!



Our product range

Vacuum processing units

The unique interaction of powerful homogenizers, reproducible process parameters, and internal and external product circulation forms the heart of these economical plants.



Mills and inline homogenizers

Effective wet milling in open and closed systems: our perforated disk mills, toothed colloid mills and corundum stone mills pulverize your products according to the rotor-stator principle.



Annular gap bead mill CoBall®-Mill

For high standards in quality and performance: a highly significant application of shearing energy provides the finest nano-range pulverization of your products.



Vacuum deaerators

This dynamic system provides the highest level of continuous aspiration. The vacuum can be adjusted individually to the particular requirements of your products.



For over 65 years, FrymaKoruma has been a leading international supplier of processing machinery and equipment for the pharmaceutical, cosmetics, food and chemical industries. Based in Germany and Switzerland, the company employs about 150 people. Our goal is not simply to meet all our customers'

expectations without any ifs and buts; we also attach great importance to the development of long-term partnerships. Our pursuit of this objective is altogether successful – over 23000 installations are currently in use in more than 180 different countries.

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