



**Application Center &
Academy Services.**

Solutions for
Processing,
Malting and Brewing.

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Learn all about our new solutions.

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Application Center & Academy Services.

Collaboration makes the difference.

Process innovation starts with ideas, and ideas need a space to develop and grow. Our Application Center in the heart of Bavaria is the perfect place to begin this journey. Spread across more than 1,500 m², the center is home to the very latest technologies in the field of malting, brewing and grain storage. This, coupled with our vast process experience, means we can ensure successful scaling of your production.

At Bühler, our commitment to sustainable grain and food processing drives us to continuously innovate to reduce the energy and water consumption of our solutions, as well as cut waste in our value chain using best-in-class technologies. But we can only make a real difference in our industry if we work together with you on these substantial challenges! This is why we decided to create our Application Center in Beilngries – an open, collaborative space to develop the products and processes of the future.

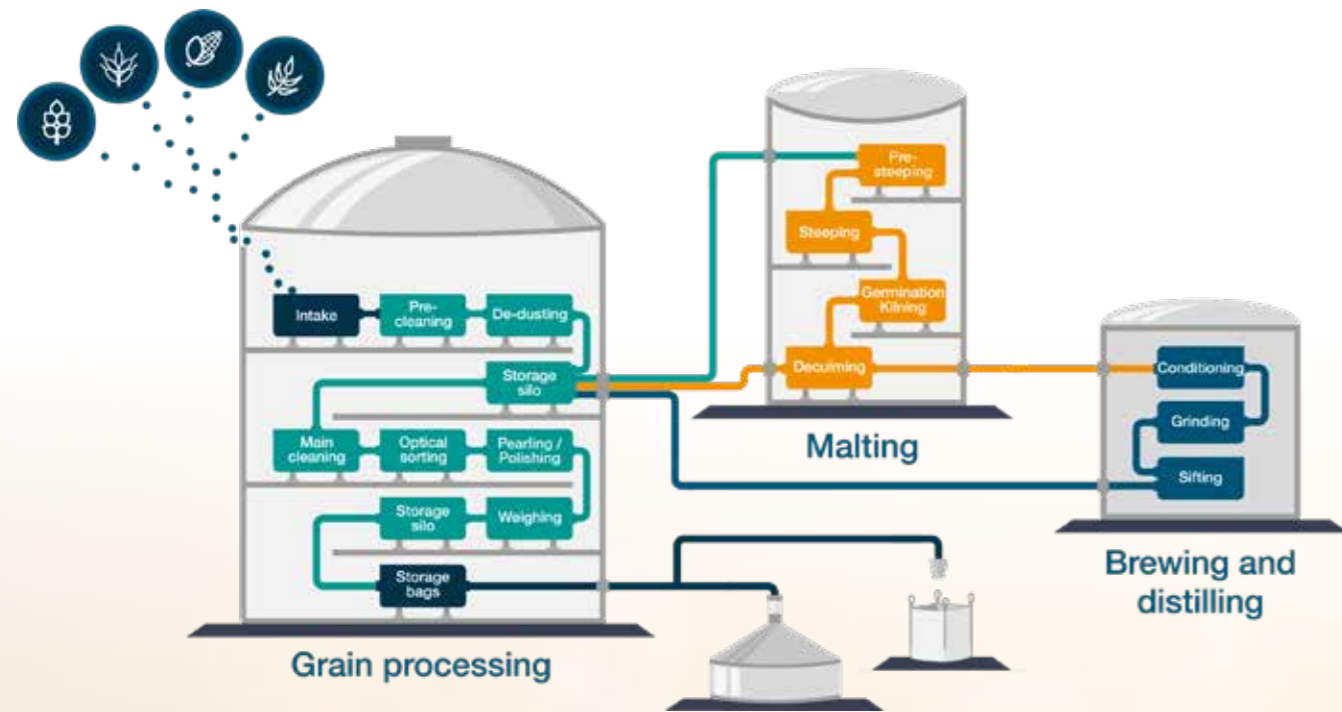
Join our experts and experience our technologies for yourself. Our installation comprises a full grain handling and cleaning line including optical sorting, a malting line with up to 1,5 ton batch size, as well as grinding and sifting solutions for the perfect grist. The very latest monitoring devices record every required parameter of production, and we offer full flexibility to run either individual machines or full processing lines. What's more, our laboratory allows us to verify success directly on site.

In addition to all this we offer an extensive range of training. You can learn how to optimize production or facilitate maintenance for all machines, or simply gain a more in-depth technological understanding. Alongside these options we offer a variety of courses to learn about food safety and cereal varieties. To enhance your experience, we are always happy to combine any classes and tailor our program to your exact needs.

Let's develop the future together!


Application Center overview.

The entire process.



Grain processing

- **Pre- and main cleaning:** TAS universal cleaning machine
- **Peeling:** HighPoly polisher
- **Pearling:** TopWhite whitener
- **Grading:** Ultratrieur
- **Optical sorting:** SORTEX A



Malting

- **Barley washing:** Washing screw
- **Steeping:** Cyliandroconical steep
- **Germination and kilning:** Combined germination and kilning vessel
- **Deculming:** Deculming screw



Brewing and distilling

- **Conditioning:** Condimat malt conditioner
- **Milling:** Maltomat III and Vertica hammer mill
- **Inline particle size measurement**
- **Dehusking and starch recovery:** Vibro sieving machine
- **Sifting:** Plansifter



Further technologies

- **Weighing**
- **Conveying systems**
- **Aspiration**
- **Silo storage**
- **Packaging**
- **Laboratory**
- **Automation and process monitoring**



Our services for you. Packages for grain processing.

Optimize your production process.

- Together we will analyze each aspect of your production process
- Find optimization options through machine and / or process settings
- Run and verify the new set-up in our Application Center
- Seamlessly transfer the optimized process to your plant

3

days

Benefit:

Increase your yield with optimized grain processing.

Try new solutions and increase process flexibility.

- Unsure if your existing installation can process a new cereal variety?
- We'll validate process performance based on your quality requirements
- We can test process options and make recommendations for you to get the best results from your existing installation
- In addition, we can also validate the impact of new machinery

3,5

days

Benefit:

Risk-free preparation of new production processes.

Upcycling of low-value batches.

- Use our fully equipped cleaning line to process your raw material
- We clean your grain batches to required specifications
- Retrieve your cleaned batch in big bags

2

days

Benefit:

Reduce waste and make use of best in class cleaning technologies for your special batches.

Academy service

Master of grain handling.

- Learn all the basics of grain handling and storage
- Learn about cleaning, conveying, aspiration, drying and more, using systems designed for you needs
- Discover the right machine settings to optimize your productivity

5 - 14

days

Benefit:

Transfer know-how directly to your colleagues.

Our Application Center – fully equipped to accommodate the world of cereals.



Our services for you. Packages for malting.

Can your barley save water?

- Validate the replacement of one wet steep with our washing screw
- Compare your conventional steeping process with the new washing screw technology
- Quantify the water saving potential of your recipes
- Focus on the steeping process alone, or run our full malting line to verify the entire process

2,5 - 7
days

Benefit:
Save up to 30% of water.

Malting / sprouting of new raw materials.

- Test a new product by using our facility with a small batch size
- We process your product using an existing recipe, or develop a new recipe in partnership with you
- At the end of the test you will receive a full malting report with all process parameters for scaling to your production facility

2 - 8
days

Benefit:
Gain confidence and knowledge of new raw materials.

Barley variety performance test.

- Test and validate a new barley variety according to the quality parameters of the new breeding seed
- We process the material according to your specification
- Experiment and fine tune settings to match your own quality targets

6 - 7
days

Benefit:
Evaluate the processability of new varieties.

Academy service

Malting champion.

- Gain deeper knowledge of cereal varieties
- Process a whole batch together with us at the Application Center
- Learn how the setting of different parameters can improve your product
- Gain valuable insights into specialty malt

5
days

Benefit:
Transfer know-how directly to your colleagues.

Process solutions for the highest malt quality.



Our services for you. Packages for brewing.

How can 'dehusking' improve your process?

- Dehusk your product with our roller mill
- Apply starch recovery to minimize starch loss
- Determine and validate the influence on the mash filtration process

3 - 3,5
days

Benefit:
Get more out of your plant.

The perfect grist for your beer.

- Unsure which grist mill is the best fit for your plant?
- Discover the perfect mill for your process requirements, or optimize your current mill
- Get the validation of your results and your optimal machine settings

3,5
days

Benefit:
Improve grist quality and safe energy.

Accelerate lautering time.

- Pre-inspection and rating of your grist sample composition from a roller mill
- Test the influence of different condition rates and milling settings on your grist
- Get a comprehensive overview of the particle sizes of your grist
- Enable transfer of the new improved settings to your plant
- Determine and validate the influence on lautering time

2,5
days

Benefit:
Improved grist composition.

Academy service

Brewing service training.

- A full introduction to the Bühler brewing and distillery process
- Discover the essentials about key technologies and machines
- Learn about the perfect machine settings to optimize your productivity

5
days

Benefit:
Transfer know-how directly to your colleagues.

The perfect grist is the base for perfect beer.





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