Innovative solutions and technologies for the grain milling industry.
Grain milling
Bühler provides cutting-edge process technology for producing high-quality flour and semolina from natural raw materials such as soft wheat, durum wheat, rye and corn/maize.

Specialty milling
Bühler can look back on a long tradition in the design and construction of plants for processing oats, soybeans, buckwheat and pulses into flakes and flour or meal.

Brewing
Bühler handling, cleaning and grinding systems process malt and raw grain in preparation for the brewing process.

Value-adding processes
Solutions for heat treatment and stabilization of flours, germs and bran as well as blending and mixing of flours for bakeries or for making instant baking mixes.

Materials handling
Fully automatic conveying, weighing, bagging and storage of a wide variety of dry products for the food industry.

Bioethanol
Grain is increasingly being used as a fuel supplier. Bühler plants prepare the grain for fermentation and also process the by-products.
Bühler is a specialist and technology partner for plant and equipment and related services for processing basic foods and manufacturing high-grade materials.

The company is a global market leader in the supply of flour production plants, pasta and chocolate production lines, animal feed manufacturing installations and aluminum die casting systems.

The Group operates in over 140 countries and has a global payroll of over 7860.
Grain.
Getting the most out of valuable raw materials.

Top-quality flour provides the basis for making high-quality foods. In order to transform grain into flour of unsurpassed quality, specially designed plant and equipment is needed in addition to the knowledge of the relevant process stages.

Bühler offers cutting-edge process technology for the production of high-quality flour. As the market and technology leader in the grain processing industry, we provide top-grade processes that are carefully tailored to customer’s specific needs. Such a high level of process quality will pay off for you within a short time – a top flour yield and outstanding product quality will ensure a fast return on your investment.
Uncompromising cleaning action.
The guarantee for pure end products.

The raw grain supplied to grain mills will typically contain impurities. Before processing, foreign seeds and contaminants that have entered the grain on the field as well as during harvesting, transportation and storage must be removed. Careful separation of the impurities will ensure a high quality of the end products. The reduction of the mineral content will have an impact on the taste and odor of the product. Moreover, it allows wear to be reduced and the service life of machinery to be extended.

- Top purity of the end products even at high throughput capacities
- Elimination of contamination and foreign seeds
- Extension of the life cycle of equipment in the downstream production processes
Efficient grain cleaning solutions.

Separator Classifier.

Combi-cleaner.

Destoner.

Automatic moisture controller.

DC Peeler.

Scourer.
Efficient cleaning — top-class flour results.

Separating efficiency
Coarse, low-density, and high-density impurities are removed from the grain stream with high efficiency and accuracy. This lays the basis for obtaining a high-quality, top-class product.

Surface cleaning
This microscopic magnification shows sand grains and other contaminants on the wheat surface. Gentle dehulling enables these impurities to be removed from the grain surface.

Revolutionized sorting
Sortex checks the purity of the input product with exceptional accuracy. Within fractions of a second, foreign material is detected and removed.

Smart user interface
Intelligent user guidance in conjunction with a user-friendly software allows the cleaning machines to be operated with ease as well as optimal machine settings.
Food safety
Carefully matched cleaning machines provide the basis for satisfying the continuously increasing food safety requirements.

Low operating costs
Our expert knowledge enables us to develop unique solutions for our customers, allowing them to achieve greater success in the marketplace.

Outstanding separating efficiency.

High throughput capacity with small footprint
The unique combination of CombiCleaner and optical sorter ensures maximum product purity within minimum space.
Milling.
We set the standards in grain milling.

With its Antares roller mill, Bühler has set the standards in grain milling. Whether for corn (maize), soft wheat, durum, rye, barley or malt – Antares is the ideal roller mill for all varieties of grain. The new Antares roller mill satisfies the rigorous requirements of the modern grain milling industry in terms of economy, user-friendliness, maintenance, and sanitation.
Carefully designed grinding solutions.

- **Antares four- and eight-roller mill.**
- **Polaris purifier.**
- **Sirius square plansifter.**
- **Bran finisher.**
- **Impact detacher.**
- **Vibratory sieving machine.**
Setting standards in grain milling.

**Maximum product yield**
Maximum throughput capacity within minimum space is a crucial element in all Bühler Grain Milling solutions.

**State-of-the-art process technology**
As the market and technology leader in the grain processing industry, we provide customers with high-grade processes matched to their specific needs.

**Maximum flexibility**
The modular concept of the square plansifter and the large number of different sieve frame designs stand for innovative solutions in grain milling.

**Ergonomic and functional design**
Perfectly harmonized ergonomics and function characterize the machine design.
High throughput, optimal economy.

**Excellent sanitation and product safety**
The Novapur sieve frames of polyurethane with frame inserts of stainless steel ensure top sanitation of the sifter.

**Outstanding quality**
Low-maintenance system components and smart designs guarantee top reliability in round-the-clock service with a consistently high grinding quality.

Polaris purifiers ensure high-quality end products.
Grain and end products are retrieved from storage bins, weighed and then transferred to the production process using the weighing and proportioning technology of Bühler. Continuous processes can be accurately measured and controlled by the differential proportioning scale. The micro-feeding process allows customized end products of uniform quality to be made.

- Universal control system
- Outstanding precision
- High mixing quality
Solutions for high-precision weighing, proportioning & mixing.

Flowbalancer.

Automatic Transflowtron.

Micro-feeder.

Differential proportioning scale.

Graviscrew.

High-Speed Mixer Speedmix.
Taking bag-packing to the highest possible level of performance: Bühler solutions are synonymous with efficient bagging of end products. Whether products are packed into open-mouth bags of paper, plastic, jute, or cotton with weights ranging from 10 to 50 kg and using manual or automatic solutions – Bühler always provides a flexible range of system components.

- High bagging capacity
- Easy operation
- Dust-tight packing
Solutions for efficient packing and outloading.

Bagging carousel with automatic bag attacher.

Automatic bag closing unit.

Vibratory bin discharger.

Single-spout bagging station.

Bulk loadout.

Automatic palletizer.
There is no room for compromises when it comes to food safety. Bühler therefore offers various carefully matched solutions and systems in order to meet the high sanitation and food safety requirements.

– Integrated solutions
– Food safety
– Consistently high product quality
Reliable quality assurance solutions.

Magnetic separator.  
Control sifter.  
Sterilator.  
NIR DA online measurement system.  
Combined solutions for assuring product quality.
Bühler has developed automation systems which integrally combine process technology and control engineering. This is the key to achieving the best possible production processes and thus top competitiveness – now as well as in the future.

- High operating reliability
- Standardized customer services with 24/7 support hotline
- Efficient production processes
Automation for reliable processes.

WinCoS.r2 process control system.

Control cabinets.

Professional cabling.

Motors and electrical installations.

Grinding process control system with intuitive user interfaces.
We have accumulated decades of experience in the design and construction of grain milling facilities as thousands of Bühler mills are running in the field. Bühler designs mills from compact standard plant solutions to fully customized facilities.

**Project management**
Bühler is the specialist in plant design and construction with detailed process know-how. Cutting-edge engineering tools ensure smooth coordination between customers, plant engineers, installation crews, and automation teams.

**Plant designs**
Professional design ensures fast production start-ups of milling plants.
Leading-edge engineering tools and carefully devised processes for your success.

Photo-realistic 3D plant engineering tool creates transparency and reduces project processing times.
Our credo.
Lifelong customer care.

We are your reliable partners. You can count on us and our services. We know that exceptional customer services provide the basis for offering customers a long-term partnership.

Lifelong care
Bühler supports customers in developing their business ideas and meeting technical challenges in plant operation.

Retrofits with short downtimes
Retrofit updates of existing grain mills are our daily bread. Together with our customers, we develop designs for enhancing the quality and efficiency of their existing plants.
Customer satisfaction is our top priority. We therefore maintain close and constructive partnership with our worldwide customers. We not only supply equipment and production plants, but also the solution behind the solution.

Customer Service.
A focus on generating customer value.

Original spare parts – just in time.

Preventive maintenance and competent consulting.
Beside all the major machines of a modern milling installation, the Bühler Training Center in Uzwil also includes its own School Mill for classroom and hands-on training in process technology, maintenance, process control and quality assurance.

**Hands-on training**
Training on the equipment itself in different languages.

**On-site training on request**
Training of your personnel on your own installations.

**Experienced Bühler experts**
Teaching your personnel the knowledge they need to operate your plant.

**Professional approach**
Trained employees are motivated and ensure top plant performance.

**Operational excellence**
Training of personnel in each level to achieve ultimate efficiency.
The Bühler Grain Technology Center is the world’s best-equipped and most renowned development and test center in the field of industrial processing of grain and pulses.

**Tests, simulations and product development**

An extensive range of state-of-the-art equipment enables process simulations on an industrial scale. In addition, the entire know-how of Bühler technologists is available for conducting tests.