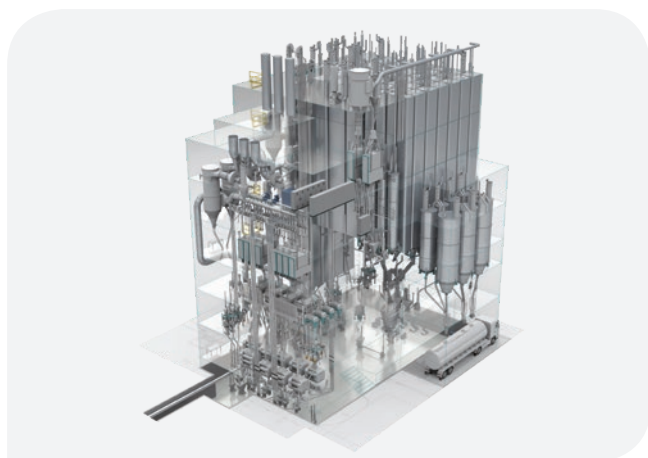


Innovative  
weighing and  
packing solutions  
**for the grain  
milling industry.**

# Innovative solutions from Bühler. **Leading technologies for your success.**



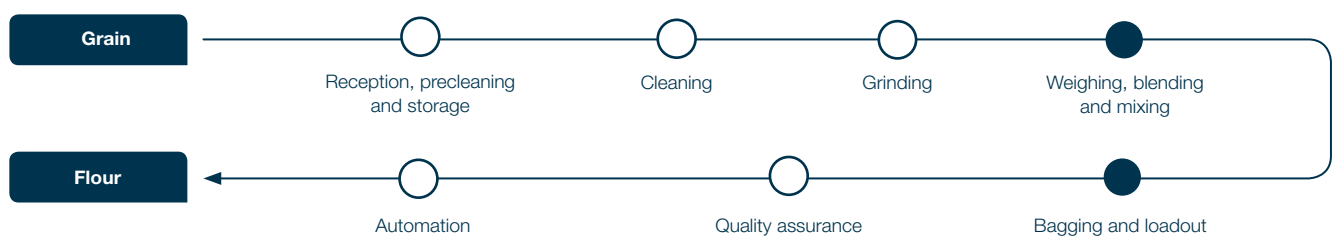
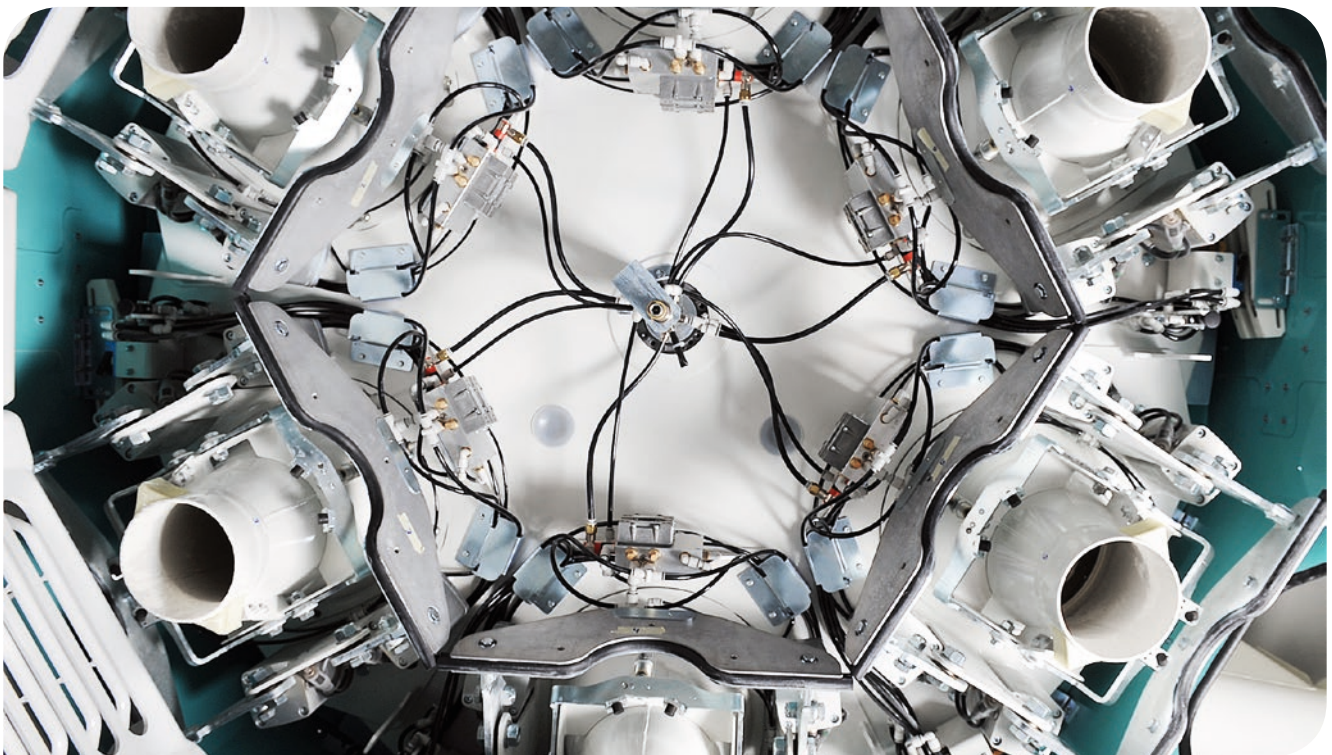
Bühler is a specialist and technology partner for plant, equipment and services for processing basic foods and for manufacturing highgrade materials. The company is a global market leader in the supply of flour production plants, pasta and chocolate production lines, animal feed manufacturing installations, and aluminium die casting systems. Bühler operates in over 140 countries and has a global payroll of over 10,000.





# Precision and efficiency. In weighing and packing.

Bühler is the reliable partner for weighing, packing, and storage logistics solutions – tailored to the needs of its customers. In addition, Bühler offers comprehensive customer service and thereby creates the conditions for establishing a durable partnership.



# Weighing and blending. Leading technologies for consistent end products.



Grain and end products are retrieved from storage bins, weighed, and then transferred to the production process. Continuous processes can be accurately measured and controlled by Bühler differential proportioning scales. The microfeeding process enables customized end products to be made in a consistently high quality.

## Leading technologies.

The Bühler scale portfolio offers flexible solutions for versatile customer requirements and is an integral part of a successfully operated plant.

### Advantages at a glance:

- Universal control system
- Outstanding accuracy
- High blending quality

# Hygienic Design. Precondition for highest food safety.



## Micro-differential proportioning scale.

This proportioning scale automatically controls the addition of micro-ingredients such as vitamins, egg powder, flavorings and colorants in a continuous product stream.

- Accurate proportioning
- Outstanding sanitation
- High flexibility
- Wide throughput range



## Automatic hopper scale Tubex.

This discontinuous hopper scale is used for accurate weight measurement for in-plant process control.

- Excellent precision
- Top sanitation
- Minimum maintenance

# Differential proportioning scales.

## Solutions for continuous processes.



### Differential proportioning scale Transflowtron.

The Transflowtron scales are used in processing free-flowing products as a mass flow meter for measuring the weight and throughput of a product stream or as a mass flow controller for proportioning and weighing.

- Maximum measuring accuracy
- Top sanitation
- Minimum maintenance



### Differential proportioning scales.

These proportioning scales are used in continuous processes as mass flow meters for measuring the weight and throughput of a stream of powdered product or as mass flow controllers for high-precision proportioning.

- Maximum measuring accuracy
- Top sanitation
- Minimum maintenance
- High throughput capacity



# Weighing and blending in product intake. **High throughput and operating reliability.**



## **Silo scale granex.**

The Granex silo scale is used as a receiving (intake) and as a transfer and load out scale for different grain varieties.

- Top measuring accuracy
- Outstanding sanitation
- Minimum maintenance
- High throughput capacity



## **Automatic Flowbalancer.**

The flowbalancer is used for gravimetric proportioning from a solid stream of product for blending different grain varieties or automatically maintaining a prespecified throughput of free-flowing products.

- Accurate product proportioning
- High operating reliability
- Minimum maintenance

# From storage to customer. **Packing solutions meeting all requirements.**



From the silo to the customer – the right package makes the difference.

## **Packaging at the highest 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.

### **Advantages at a glance:**

- High bagging capacity
- Easy operation
- Dust-tight design



# The suitable solution for all applications. **Single-spout bagging station.**



The single-spout bagging station, designed for bagging capacities of 7 to 20 bags/minute, is suitable both for freeflowing and non-freeflowing as well as friable materials. A dust-tight bag spout and an optional aspiration system ensure a clean machine environment.

## **High weight accuracy.**

- High-grade load cells
- Smart weighing algorithms

## **Excellent sanitation.**

- Dust-free process
- Easy access for maintenance and servicing
- Parts in contact with the product of stainless steel

## **High operating reliability.**

- Stable and rugged control system
- Dust-resistant design for increased operating reliability

## **Ease of use and maintenance.**

- Easy access for exchanging components
- Rugged components with a long service life

# Bag-packing with highest capacities. **Bagging Carousel.**



This flexible and efficient bagging carousel is the optimal solution for covering a wide range of throughputs and different bag materials.

## **High sanitation standard.**

- Totally enclosed bag spout
- Aspiration at the dumping point prevents dust generation

## **Efficient and flexible application.**

- Different versions for catering to customers' specific needs
- Manual or fully automatic operation

## **High operating reliability.**

- Dust-resistant elements
- Rugged system components

## For efficient and reliable bagging. **Maia Packer.**



The Maia Packer is characterized by its high operational reliability and performance, thus ensuring efficient, consistent packing. For high capacities, the Maia Packer is also available with two spouts.

### **Increased operating reliability.**

- Dependable operation with high performance
- Reduced costs thanks to longer operating times

### **Hygienic packaging.**

- Low-dust filling and compressing
- Enclosed housing and dust-tight bag spout
- Easy access for maintenance and cleaning

### **Easy to use and high flexibility.**

- 15" color touchscreen with intuitive menu
- Key operating figures for process optimization
- Minimal changeover time



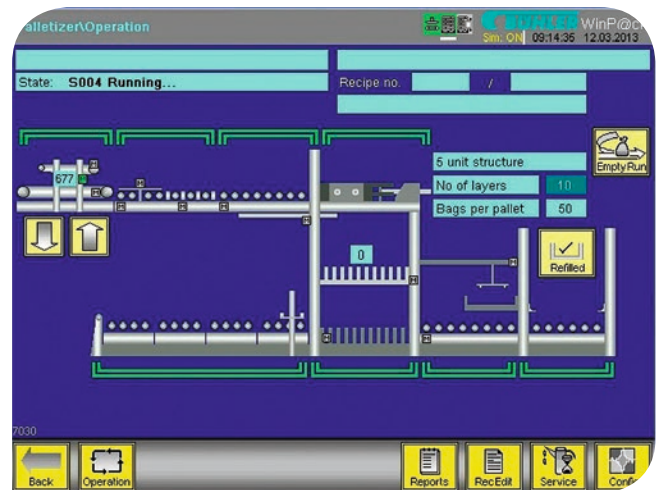
# Automatic palletizer and storage logistics. **Maximum space utilization and flexibility.**



Bühler offers automatic palletizers and flexible storage logistics solutions for optimal stacking of the bags and containers after packing. Their modular design allows them to be adapted to customers' specific needs and ensures efficient utilization of the available storage area.



The Bühler palletizer is foundation for an optimal warehouse space utilization.



The WinP@ck control system links the automatic palletizer with the entire bagging line.

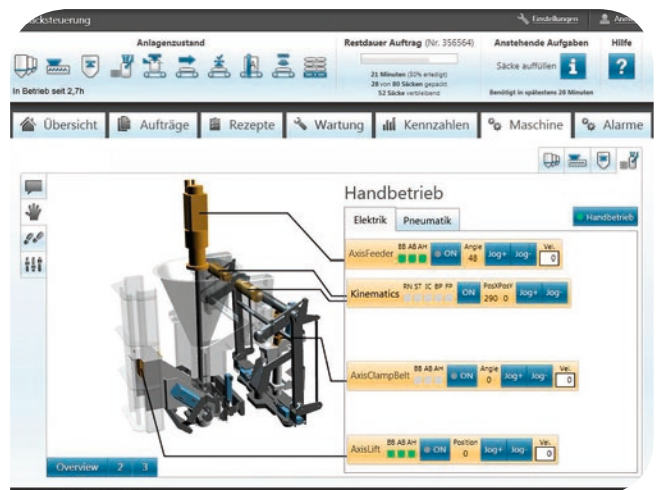
# Technology and automation from a single source. **The solution for successful automation.**



Bühler bagging control systems are characterized by their high ease of operation and their wide variety of integration options. The combination of process technology and automation engineering optimizes production processes and thus increases competitiveness.



Maximum user-friendliness and process control.



3D-animated process visualization.



# Plant engineering. **We transform customers into industry leaders.**



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.



We turn our customers into industry leaders.



Professional design ensures fast production start-ups of milling plants.



# Customer service. Focus on added value for customers.



Customer satisfaction is our top priority. Therefore, we maintain close and constructive partnerships with our customers worldwide. Our grain Technology center offers a complete bagging system and a micro-proportioning laboratory for conducting tests.



Validation of the correct bagging solution in the Bühler Grain Technology Center.



Retrofit with short downtimes.

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