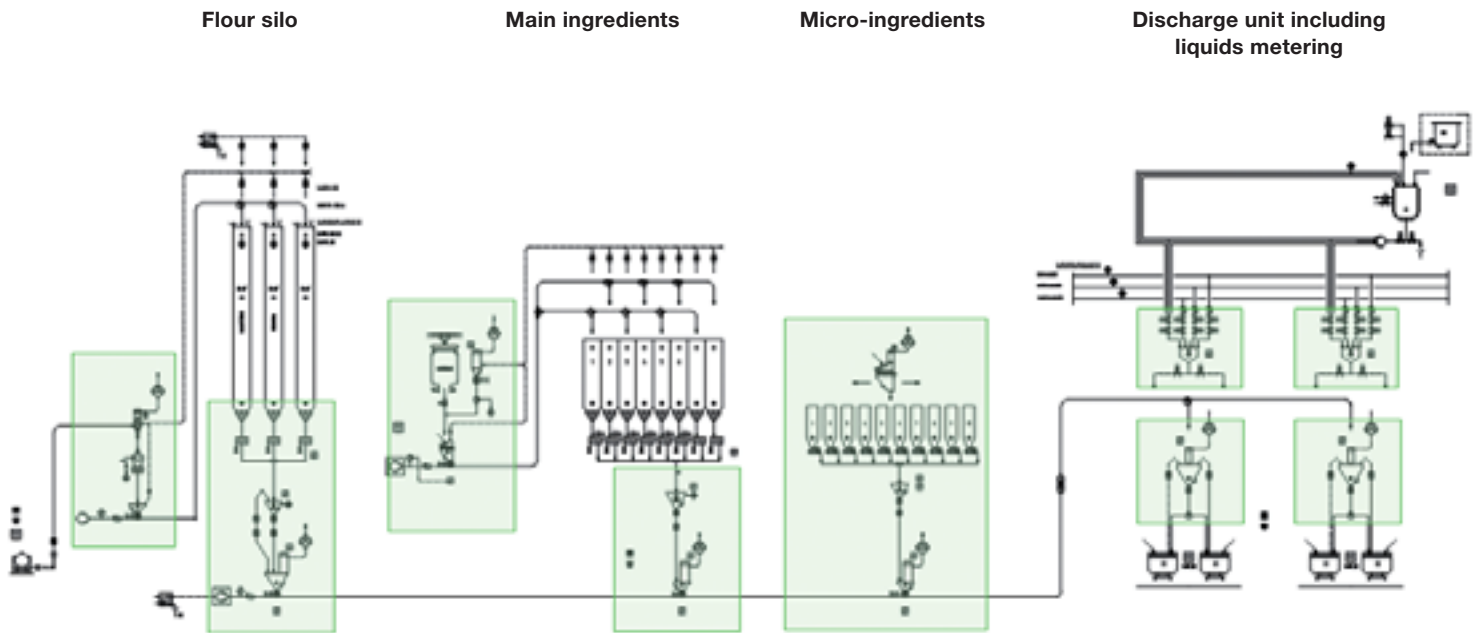


Material handling  
for industrial  
bakeries and food  
processing plants.



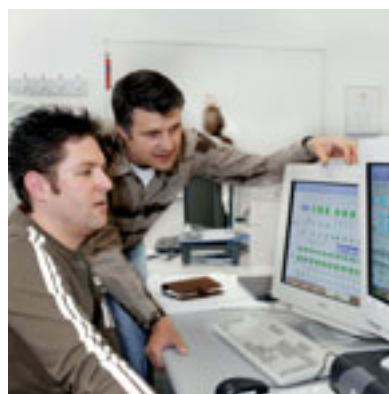
# Technology and consulting – from a single source. Customized total solutions.



Buhler is a leading provider of customized solutions, process technology, and consulting services and a competent partner in every phase on your road to success. Our broad experience and profound expertise are based on a close partnership and collaboration with our customers worldwide. We are your competent partner in all matters related to your food processing plant – from engineering to automation at a top-class and state-of-the-art level. The technology specialists of Buhler with their know-how ensure that you will be offered perfect complete solutions tailored to your specific needs.



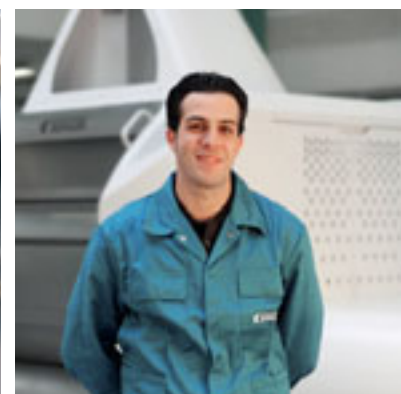
**Consulting**



**Engineering**



**Automation**



**Customer Service**

# Buhler – the leading technology provider. Your partner for integral solutions.



Buhler offers solutions for intake and storage, weighing and preparation of powdered materials, liquids, fats, and minor ingredients. Leading food producers use Buhler know-how and equipment to process their raw materials into high-grade foods:

- **Complete process know-how**
- **Leading process and automation technology**
- **High-quality equipment**
- **World's largest Grain Technology Center for product and application development**

# Storage concepts for powdered products. Reliable and efficient.



The selection of outdoor bins allows a large storage capacity to be obtained with a low capital investment.



Products stored in indoor bins are considerably better protected from heat and cold.

# High-precision control and measurement. Individual weighing concepts for your plant.

Buhler designs bulk storage and weighing systems using state-of-the-art technologies. Each concept is tailored to the specific requirements. Their top capacity allows existing as well as new plants to be supplied with all the necessary raw materials when they are needed. High proportioning accuracy is achieved within the allowable weight tolerances. Pneumatic conveying systems transport the main, medium and minor ingredients without residues to the user points.

## **Centralized weighing system**

High capacity and frequent recipe ingredient changes are the criteria for selecting a central weighing system:

- Low-cost maintenance
- Easy addition of the minor ingredients to the main product
- Preferably applied in large-scale bakeries

## **Decentralized weighing system**

For cost-optimized and compact applications:

- Suitable for up to 4 user points
- Ideal for tight space conditions

## **External centralized weighing system**

Combination of the advantages of the centralized with those of the decentralized weighing system; compact design for high capacity and prepared for frequent recipe ingredient changes:

- Low capital investment
- Adequate proportioning accuracy



# International food standards. High sanitation and reliability.

Buhler supplies complete systems for preparing, weighing and metering liquids such as hot, tap, and chilled water; oil, milk, liquid yeast, brine, etc. for ensuring efficient material handling.  
Temperature calculation is as much part of our competence as metering valve control and flow rate measurement.

Whether free-flowing products at a low throughput capacity or non-free-flowing products with automatic refilling – Buhler offers you the right configuration, satisfying your process requirements accurately.



**MSDF for gravimetric proportioning of micro-ingredients** in a continuous product stream.

## The right automation system for your process

We design and manufacture process control systems, tailored to your specific needs. The following arguments show why our food processing customers around the world trust **WinCoS.r2**:

- Modular and adaptable software
- Integration of kneader recipes
- Recipe management with version handling
- Worldwide remote support via internet
- Full recipe information at the user points thanks to cutting-edge automation design
- Integration in master administration systems (ERP, e.g. SAP, Navision, Movex, etc.)
- Key performance indicators (KPI) such as downtime analyses, OEE, or energy management
- Detailed report and statistics functions
- Complete traceability from start to end
- Detailed management of the process parameters
- Clear, easy-to-understand graphic visualization

