

## YOUR NEXT GENERATION PROCESSES

From proven manual operations to fully integrated production systems



# ABOUT US

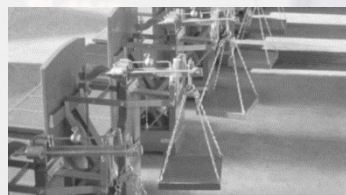
**FRICKE®** is your reliable partner for the development and production of **dosing and filling systems including software solutions.**

Our customized technologies ensure efficient production processes in **the perfume, flavors, and chemical industry.**

# PRODUCT HISTORY

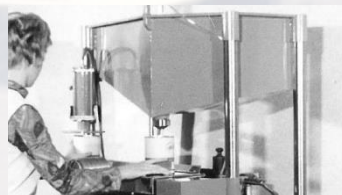
FROM WEIGHING TO PRECISE DOSING AND FILLING

1870



Decimal + Sack Filling  
Scales

1967



Filling Systems

1980



Dosing Systems

1987



Software Solutions

2022



Digital Transformation  
Solutions

# KEY FACTS



## PROFILE

- Management Board:  
Bernd Fricke / CEO  
Lars George / CFO  
Mario Markmann / CTO
- Employees: >140
- Headquarters and production in Minden, Germany



## FOUNDED

- Inventiveness since **1870**
- In **5<sup>th</sup>** generation



## MILESTONES

- 1<sup>st</sup> Filling System in 1967
- 1<sup>st</sup> Dosing System in 1980
- 1<sup>st</sup> Dosing Software in 1987



## GLOBAL COMPETENCE

- Worldwide use of FRICKE® Technologies with 24/7 allround support



## QUALITY FACTOR

- More than 1,000 filling and 500 dosing systems in operation worldwide
- Patented technologies
- **ISO 9001** and **AEO** certified
- German Brand Award 2022



# CORE COMEPETENCES

## TECHNOLOGY

- Dosing Systems
- Filling Systems

## ENGINEERING

- Customized Planning
- Plant Engineering
- Raw Materials Warehouse
- Tank Storage

## SOFTWARE DEVELOPMENT

- Production Control
- Manual Dosing

## SUPPORT

- Installations and commissioning
- Spare parts service
- Repair works
- Maintenance contracts
- Telephone / online support

# YOUR BENEFITS

FRICKE® combines engineering know-how in plant construction with IT competence in software development.

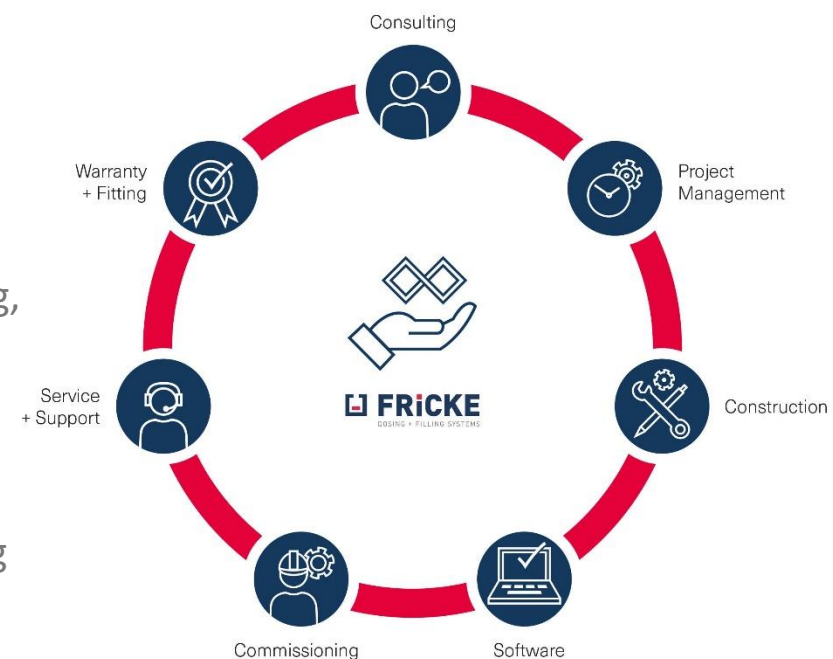
As a result, our plants achieve a **unique overall performance**: highly efficient, precise and transparent in every step of the process.



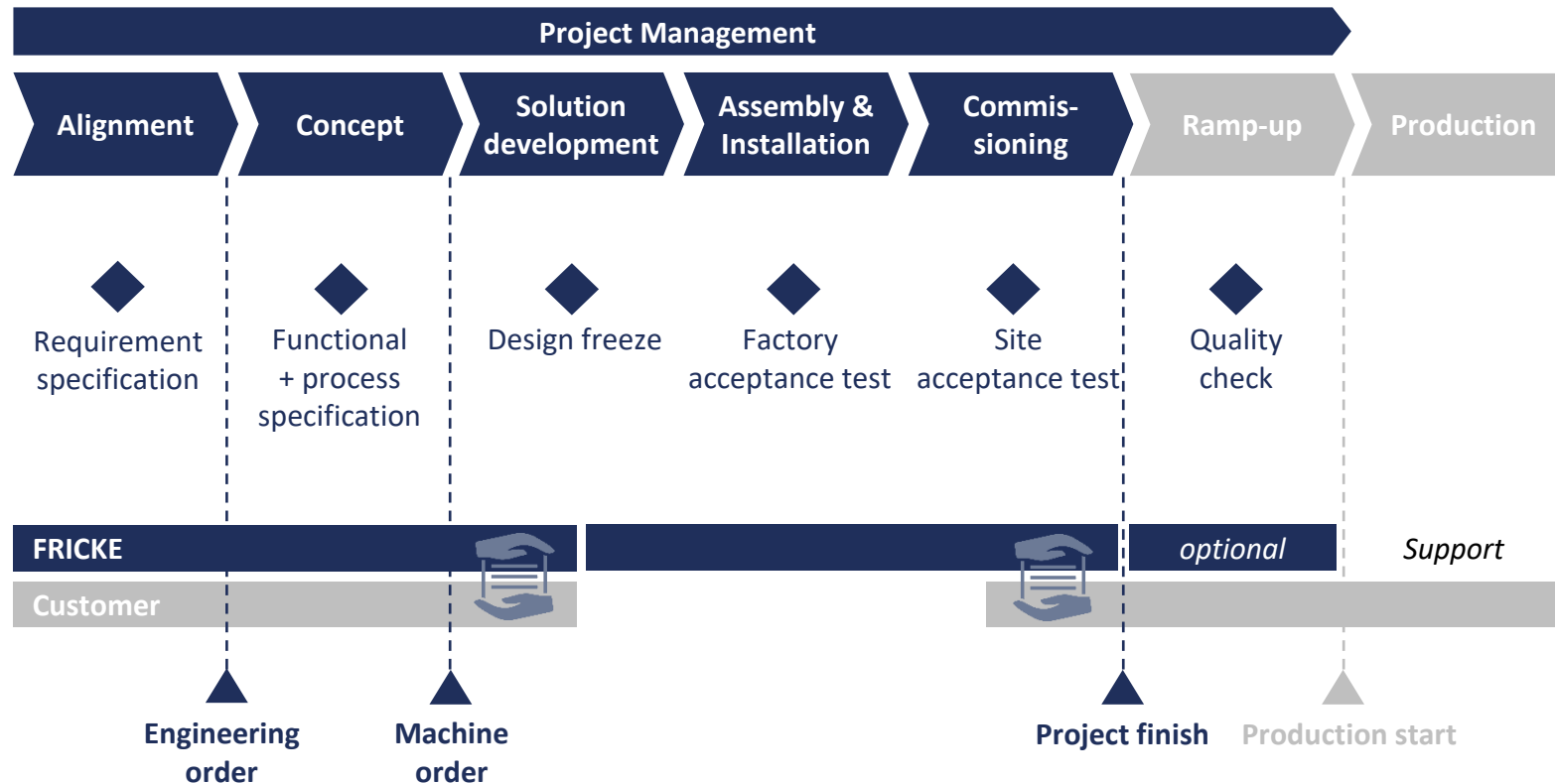
# ALL FROM ONE

FRICKE® provides everything from a single source! The individual consulting, project management, construction, software development, commissioning, service + support as well as warranty + fitting - **we support you!**

**Efficiently organizing your production** is important to us. We provide the right service while considering safety requirements.



With agile project management methods, **FRICKE®** increases the performance of its customers and achieves optimal results.

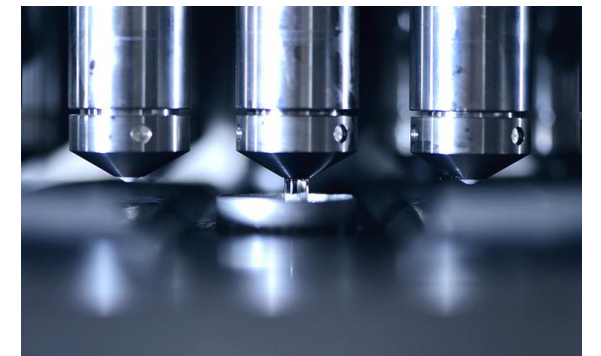


# DOSING TECHNOLOGY

FRICKE® Technologies impress customers worldwide, wherever the highest demands for quality, precision, and reproducibility of recipes are required.

Our dosing systems are the optimal solution for efficient production, ranging from laboratory dosing systems for sample production to production systems for large components. The control software developed by us ensures optimal system performance.

Learn more: [Dosing Technology](#)



# PRODUCT PORTFOLIO Dosing Technology



Small



Medium



Large



Software

Manufacturing Execution System (FRICKE® BMS)



Business Intelligence System (FRICKE® BIS)



Business Intelligence System (FRICKE® BIS)



Manufacturing Execution System (FRICKE® BMS)



Manufacturing Execution System (FRICKE® BMS)



Laboratory

MDS - Manuel Dosing System



DFL XL



DFL



CONCORDIA I



CONCORDIA I



DOSINGSTAR



Production

SDS - Semi-automatic Dosing System



DUPLEX



CONCORDIA I-V



DOSING CLUSTER



CONCORDIA I-V



DOSING CLUSTER

Filling



Cleaning

# FILLING TECHNOLOGY

FRICKE® filling systems are suitable for viscous and pasty liquids. They are used to fill paints and coatings, adhesives, building materials, and food products.

Our systems are designed for maximum quality and economy with their compact design and simple operation. They are also suitable for potentially explosive areas in compliance with EU Directive 2014/34.

Learn more: [Filling Technology](#)



Above level



Below level



Semi-automatic

EFS 11



EFS 61



FFS 11



EFS 21



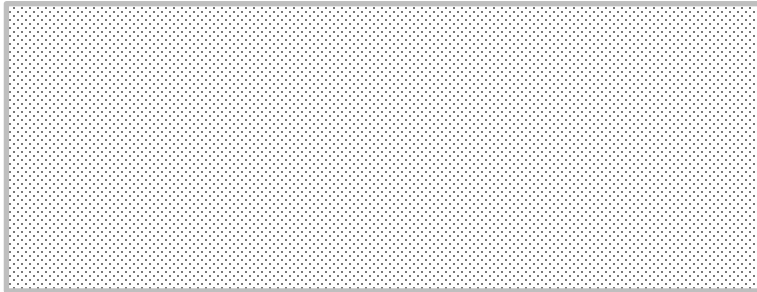
FFS 21



AFS 20



Automatic



AFS 22



AFS 25



# SOFTWARE

Carefully developed in-house software ensures optimal performance of **FRICKE®** systems and guarantees efficient production processes.



**BMS**

Batch Management  
Software

**MCS** 

Machine Control  
Software

**MDS** 

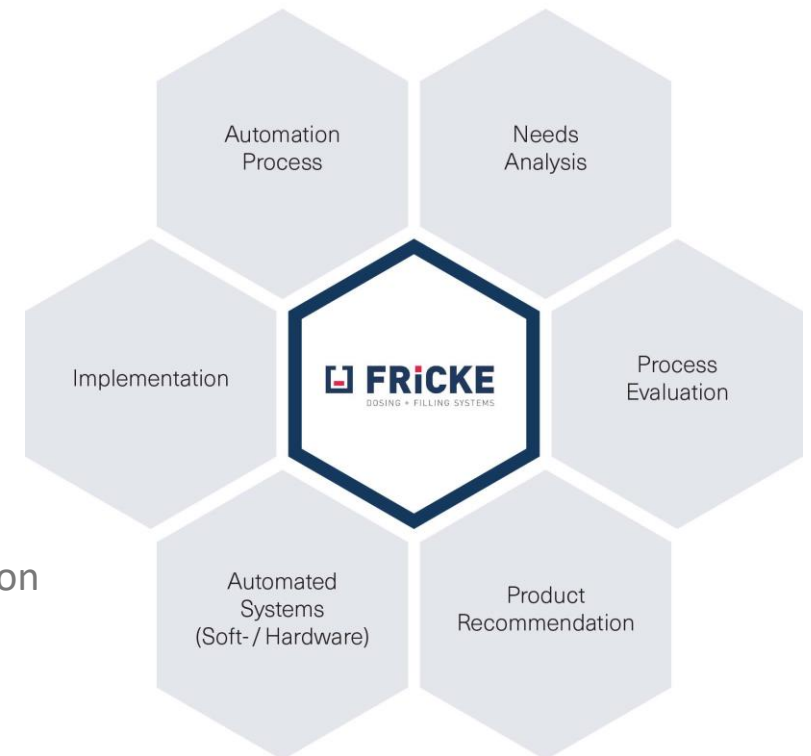
Manual Dosing  
Software

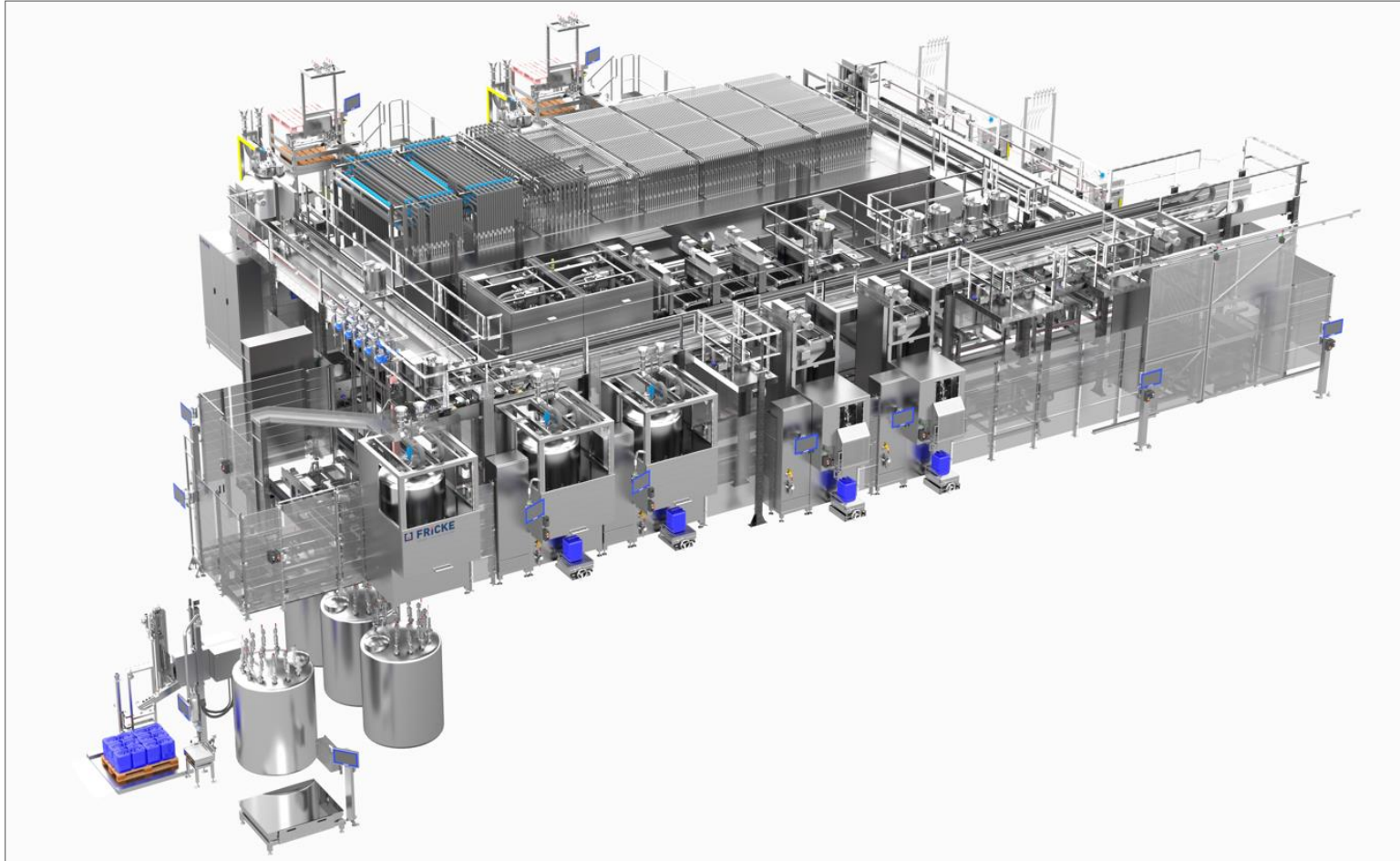
**BIS** 

Business Intelligence  
Software

# DIGITAL TRANSFORMATION

- More than plant construction: Over 50% of our added value lies in software development
- Individual analysis of customer processes for optimal system design
- Automated systems to increase productivity from small to large order volumes
- Fast and flexible adaptation to changed production requirements
- Customized solutions for needs-based automation





## FRICKE-Multiplex®

- Innovative automation technology
- Increased efficiency and quality through intelligent process flow
- High flexibility, cost reduction, and shortened lead times for companies of any size



**LET'S CONNECT** [www.frickedosing.com](http://www.frickedosing.com)

**FRICKE Abfülltechnik GmbH & Co. KG**

Gewerbepark Meißen 8  
32423 Minden | Germany  
P +49 571 934110  
[sales@frickedosing.com](mailto:sales@frickedosing.com)



# DOSING TECHNOLOGY

## Laboratory dosing

- DFL XL
- DOSINGSTAR
- CONCORDIA I
- MDS - Manual Dosing System

## Production dosing

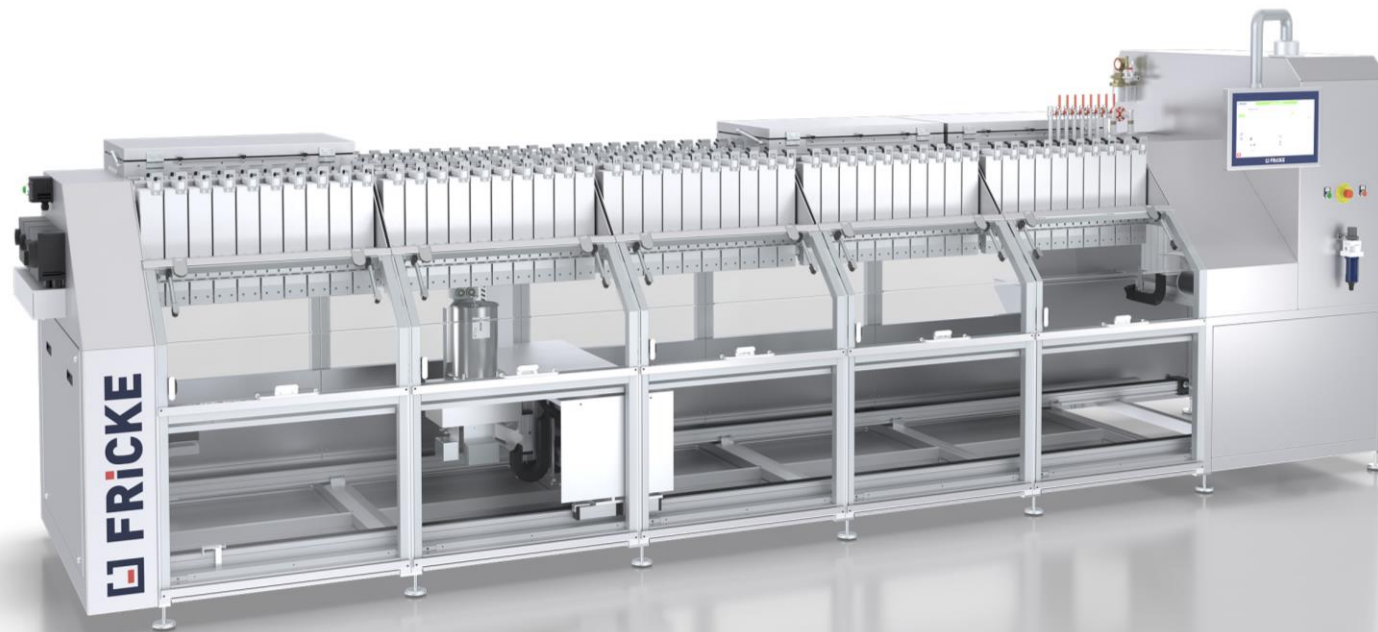
- DFL
- DUPLEX
- CONCORDIA I-V
- DOSING CLUSTER
- SDS - Semi-automatic Dosing System
- POWDER DOSING SYSTEM
- MDS - Manual Dosing System

## Powder dosing

- Dispensing in laboratory and small production

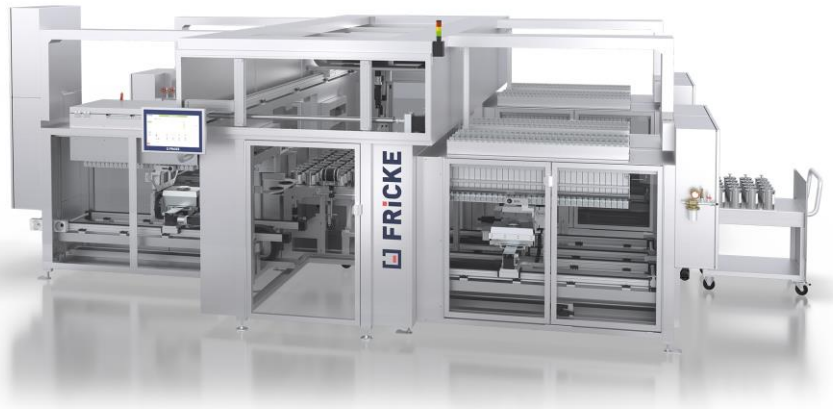
## Raw material storage

- Stainless steel containers
- Pipework



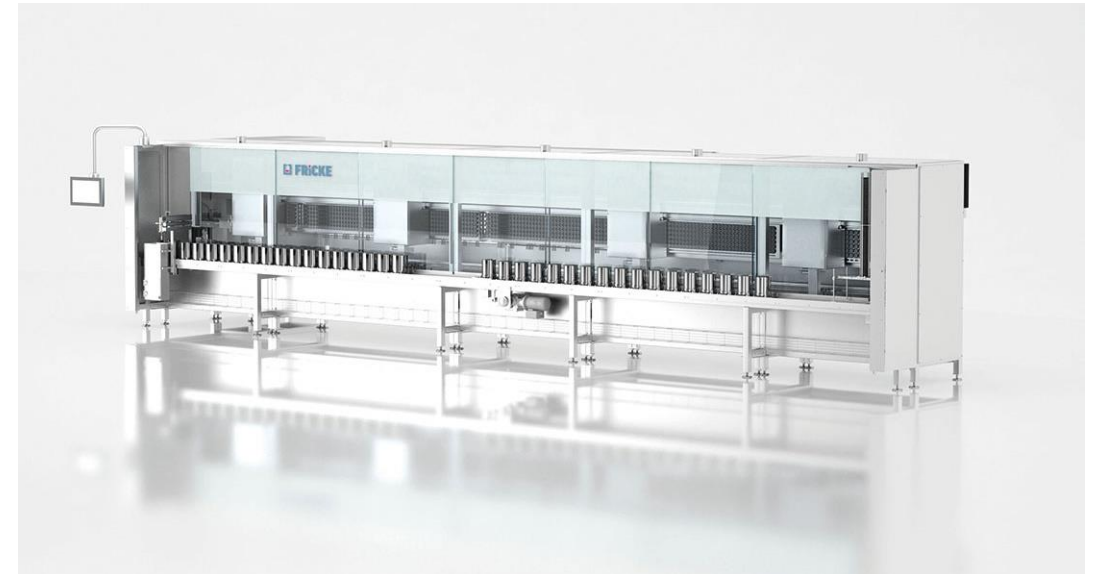
## DFL / DFL XL

- High accuracy dosing system for small to medium creative and sampling laboratories
- Perfect for creative samples and sample orders
- Modular and space saving laboratory systems
- For up to 2,000 dosing cycles per day



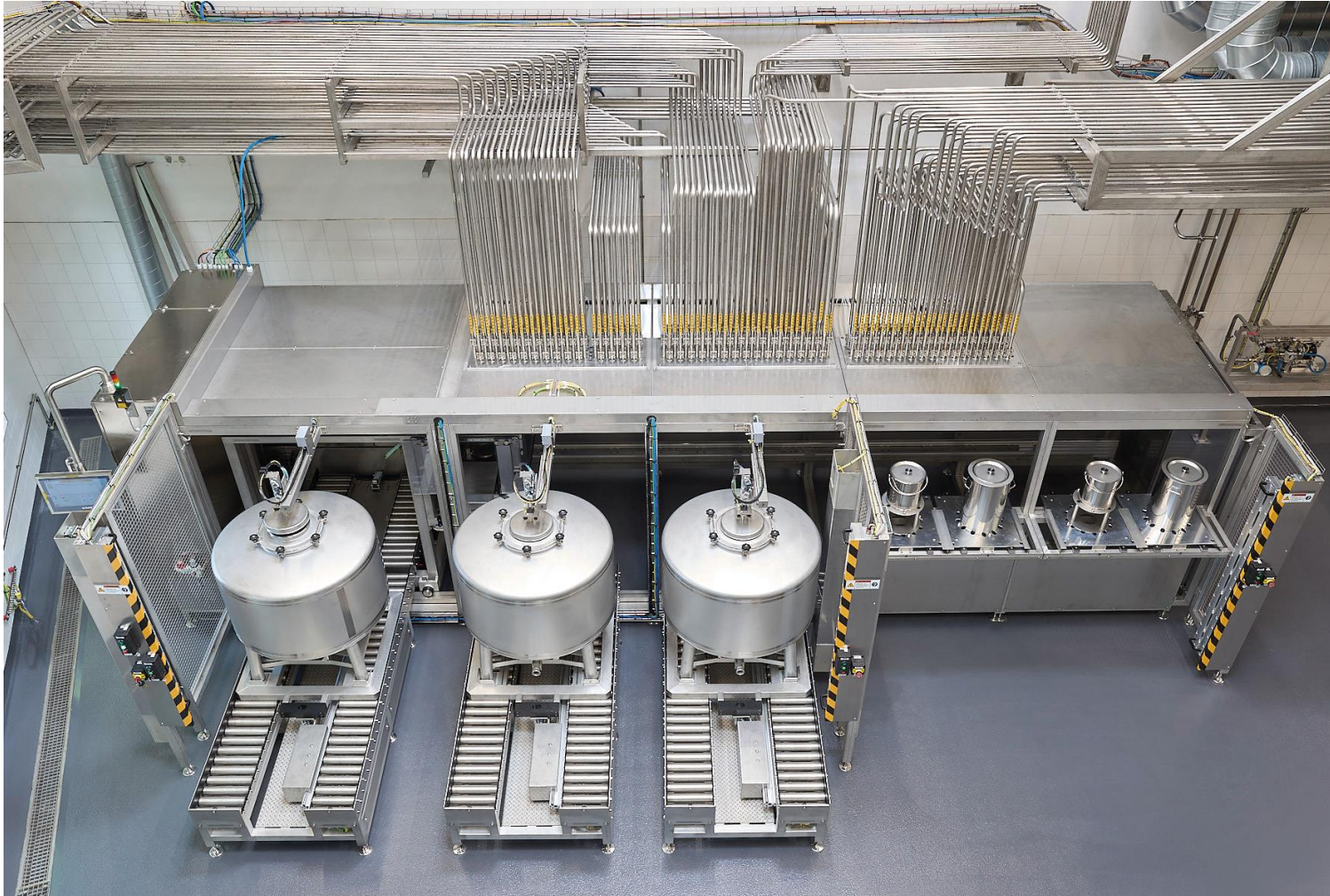
## DOSINGSTAR

- Extremely high dosing accuracy with a maximum dosing speed
- Space saving modular design
- Each module is dispensing with its own scale



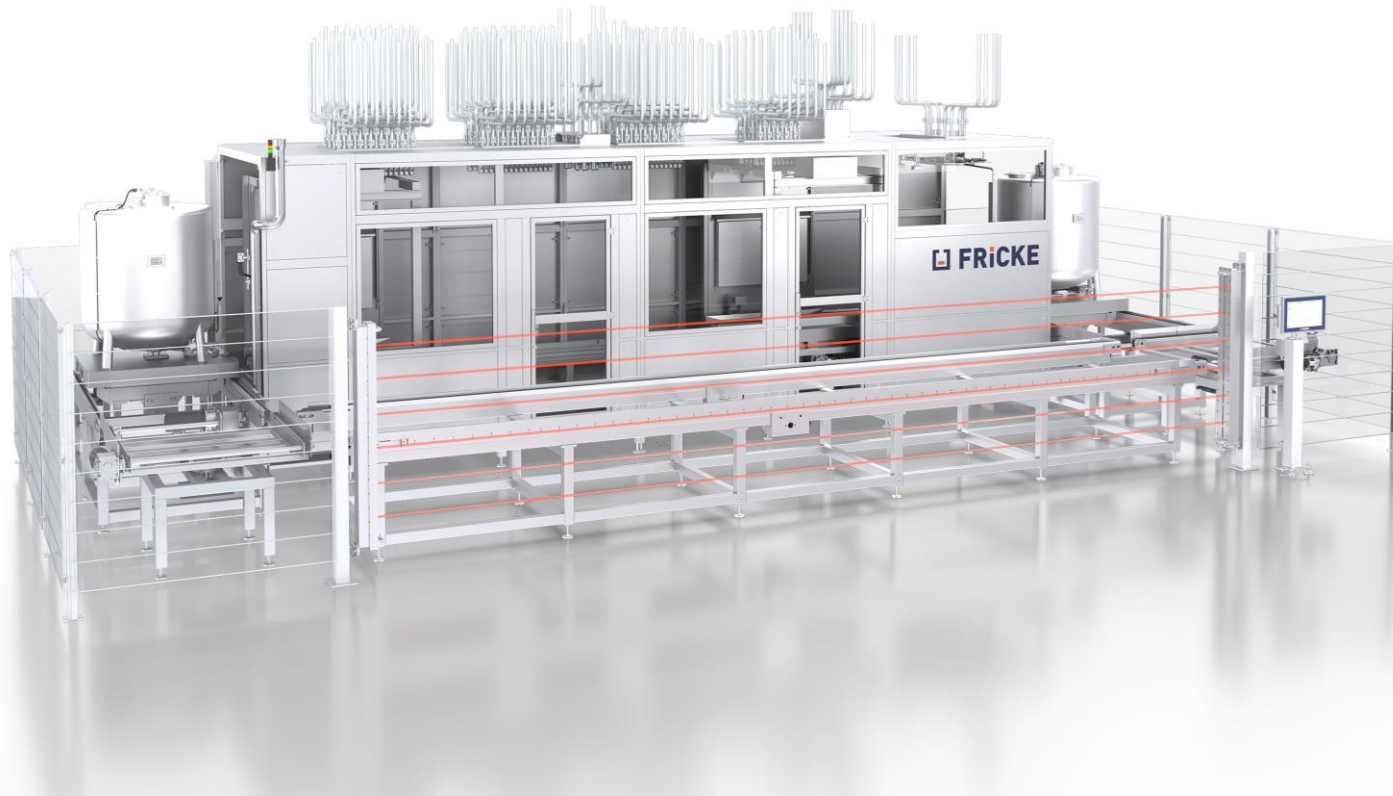
## CONCORDIA I

- Dosing systems for laboratory and small scale production mixes up to 5 kg batch size
- Up to 1,000 raw materials
- High speed to parallel dosing with up to 4 scales



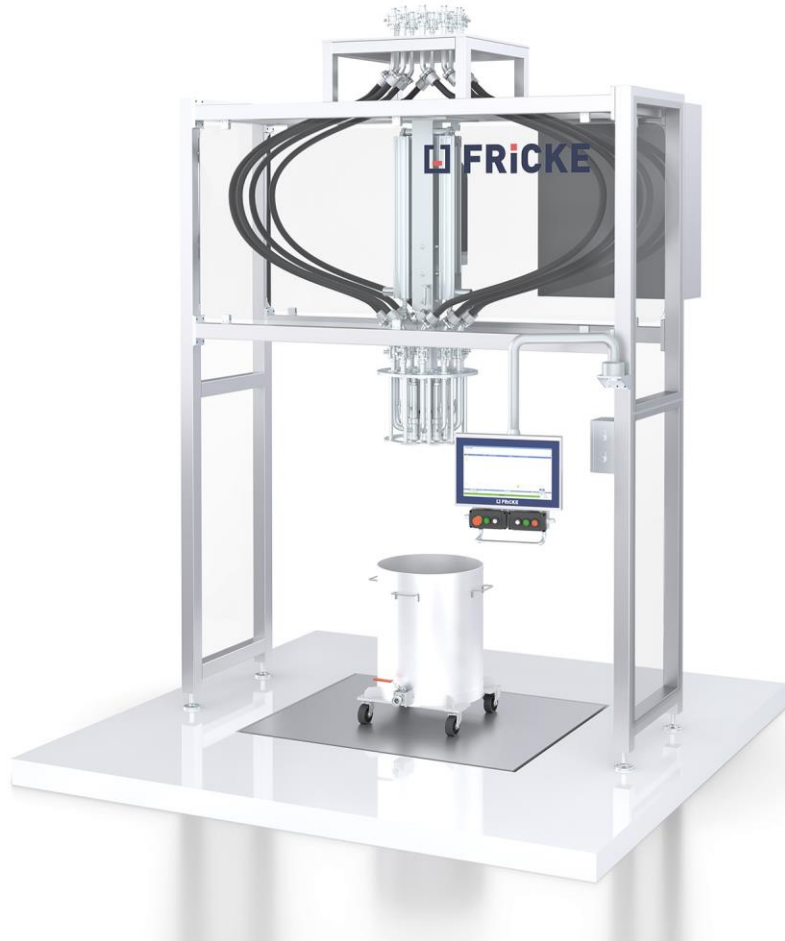
## DUPLEX

- Fully automated dosing system for single dosing from 0.5 g to 600 kg
- Extremely large weight range with two scale sizes
- High automation rate



## CONCORDIA II-V

- Customer specific solutions with different weight ranges for each machine type
- The smallest Concordia II can make automatic dispenses from 0.5 g
- The largest Concordia V can make batches up to 1,500 kg
- Can be expanded with CONCORDIA Multi Flow - mass flow meter for fast, parallel dosing



## DOSING CLUSTER

- Dosing of bulk components into stationary and mobile tanks
- Max. flow rate: up to 250 l/min
- Max. dosing volume: up to 12,000 l
- Flexible: height adjustment for different container sizes



## POWDER DOSING SYSTEM

- Precise and dust-free dosing of powder materials
- With a 150 kg scale and a resolution of 0,1 g, up to 20 powder components are dosed automatically

## SDS - Semi-automatic Dosing System

- Mobile, recipe-accurate dosing in the raw materials warehouse
- Raw materials are precisely dosed and the system stops automatically as soon as the required quantity is reached



## MDS - Manual Dosing System

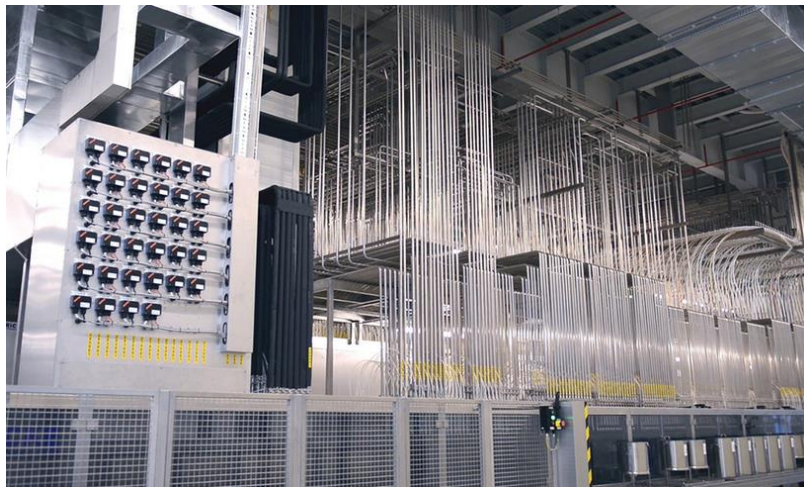
- Hardware-independent PC software
- Explosion protection in acc. with ATEX Directive 2014/34/EU





## Raw material storage for all sizes:

- Avoid down-times (no transfer, cleaning of pumps)
- Ensure safe storage and easy handling
- Clear lot separation



# FILLING TECHNOLOGY

## **Filling technology**

- Semi-automatic
- Automatic

## **Machine design**

- Above-level
- Below-level
- Below-bunghole

## **Packages**

- Buckets, Pails, Hobbocks
- Jerry Cans (Canister)
- Drums
- IBC-Container

## **Add-on modules**

- Closing systems
- Labeling systems



## EFS 11

- Above-level filling
- For non-foaming liquids, e.g. paints, coatings, dispersions, adhesives, bitumen
- Containers: cans, pails, drums
- Weight ranges: 0.5 - 30 kg, 1 - 60 kg, 2 - 150 kg, 5 - 300 kg

## EFS 61

- Above-level filling with integrated buffer tank
- For non-foaming liquids, e.g. paints, coatings, dispersions, adhesives, bitumen
- Containers: cans, pails, drums
- Weight ranges: 0.5 - 30 kg, 1 - 60 kg, 2 - 150 kg, 5 - 300 kg





## EFS 21

- Below-level filling
- For foaming or explosive liquids, e.g. cleaning agents and solvents, chemical liquids, mineral oils, glazes
- Easy handling, intuitive operation, space-saving design
- Containers: cans, pails, canisters, drums
- Weight ranges: 0.5 - 30 kg, 1 - 60 kg, 2 - 150 kg, 5 - 300 kg
- **Plus X Award Winner**





## FFS 11

- Above-level filling
- For non-foaming liquids, e.g. paints, coatings, dispersions, adhesives, bitumen
- Containers: pails, drums, and IBCs directly on the pallet
- Weight ranges: 10 - 600 kg, 20 - 1,500 kg, 50 - 3,000 kg. With additional scale 0.5 - 30 kg, 1 - 60 kg



## FFS 21

- Below-level filling
- For foaming or explosive liquids, e.g. cleaning agents and solvents, chemical liquids, mineral oils, glazes
- Containers: pails, drums, and IBCs directly on the pallet
- Weight ranges: 10 - 600 kg, 20 - 1,500 kg, 50 - 3,000 kg.  
With additional scale 0.5 - 30 kg, 1 - 60 kg

## AFS 20

- Below-level filling with automatic bunghole detection
- For foaming or explosive liquids, e.g. cleaning agents and solvents, chemical liquids, mineral oils, glazes
- Containers: canisters, drums, IBCs directly on the pallet
- Weight ranges: 10 - 600 kg, 20 - 1,500 kg, 50 - 3,000 kg





## AFS 22

- Automatic below-level filling, combinable with automated systems such as capping, labeling, or conveying
- For foaming or explosive liquids, e.g. cleaning agents and solvents, chemical liquids, mineral oils, glazes
- Containers: canisters
- Weight ranges: 2.5 - 40 kg

## AFS 25

- Automatic below-level filling with automatic rotary container table and integrated capping unit
- For foaming or explosive liquids, e.g. cleaning agents and solvents, chemical liquids, mineral oils, glazes
- Containers: canisters
- Weight ranges: 2.5 - 40 kg

[Back](#)

