

Your Requirements  
are our Benchmark



 **FRICKE**  
DOSING + FILLING SYSTEMS

## Success defined by precision



FRICKE Dosing + Filling Systems stands for advanced technology, which ensures maximum process reliability, continuity and productivity in dosing and filling operations worldwide.

The deciding factor for success is the entitlement with which we address our customers requirements: Only those striving for perfection, can achieve maximum precision.

Each FRICKE production solution is a needs-oriented and individually equipped facility, based on 100 percent engineering knowledge and manufactured exclusively in-house.

We have been manufacturing machines for 50 years in tested, guaranteed quality, with which you can reliably implement your production standards – long-term and fit for the future.

„To be continuously successful means being able to produce products again and again in excellent quality.“

**Stephan Fricke**  
Management





## High performance with a broad spectrum

FRICKE is a family run company in the third generation. Values and pioneering spirit have a long tradition here.

But, most of all, FRICKE is primarily a modern operating business with an interdisciplinary approach. Thanks to flat structures and a communicative interaction, all competence levels can be connected wisely so that FRICKE can benefit from a compact performance strength which is reflected in practical use: Best results via the most direct route.

Personal proximity to our customers is a further distinguishing feature of the FRICKE philosophy – absolute customer satisfaction is the credo. This includes being able to accurately empathise with individual requirements and to take all critical factors into account.



Also in terms of integration into existing or subsequent expanding manufacturing processes.

FRICKE machines record continuous growth rates. More and more customers rely on high quality Made in Germany and FRICKE service strengths: Comprehensive support and maintenance services, as well as the fast delivery capacity of spare parts ensure consistent production and high availability.

## Your security: FRICKE consulting expertise



Each process demand is subject to its own very individual conditions. That's why FRICKE systems are not standardised, but always customised, tailor-made production concepts that set standards in efficiency and economy.

FRICKE know-how is distinctly noticeable – a holistic view of your production and the overall performance, the proven knowledge to exploit all the features and the ability to innovate in order to perceive new solutions.

The detailed analysis of current production figures offers you a meaningful technical and economic analysis for reliable investment planning.

Besides the high optimisation ability of manufacturing processes FRICKE plants have another outstanding feature: They are particularly long-lasting.

FRICKE provides you with the three decisive factors for long-term production and investment security: Sound advice, planning on demand and a technical solution that has proven itself over many years.





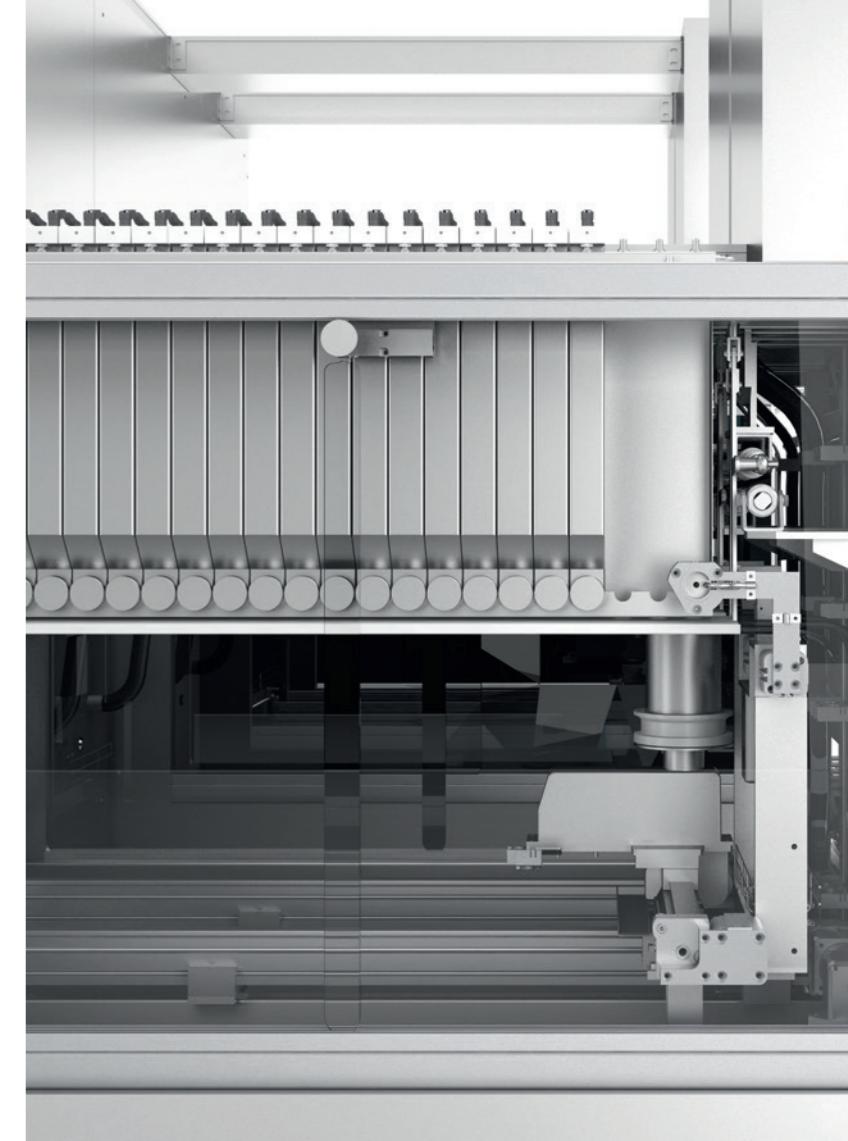
## Dosing Technology

## High-Tech in a class of its own

FRICKE Technology is a market leader in the perfume and aroma industries. Demanding customers from all over the world rely on our dosing technology and thereby increase their competitiveness.

### The advantages:

- Increase in productivity due to high rate of automation
- Optimum performance and equipment – 100% quality control
- Reliable protection from cross-contamination at each dosing
- FRICKE valve technology for high accuracy and high flow rate
- Unattended night mode



FRICKE dosing systems are based on standard models and individually developed and equipped for your specific needs. Our broad knowledge of product specifications and process technologies guarantees you the best possible solution for your application.

### FRICKE system types for:

- Creation
- Customer samples
- Production

of raw materials in liquid or powder form.

## Holistic solutions



To be the market leader in the field of dosing means offering solutions at the highest level. FRICKE is in an excellent position to do this.

An all-in-one range of services from planning to production, which is characterised in each phase of engineering knowledge, marks the special product quality and efficiency of our systems.

Well-conceived holistic solutions are the distinguishing feature of FRICKE engineering.

Specialists from different disciplines complement each other in the development of a practical and economical solution.

There is also the creative pool – the center of innovative ideas, many of which have already been successfully established in the market.

For example the barcode-supported dosing for fully automatic operation and integration of manual dosing which are fully integrated into BMS quality control.

The BMS (Batch Management Software) is a specially software developed by FRICKE for the production of perfumes and flavours. It provides the perfect combination of production processes.





## Profitable planning for economical implementation

FRICKE project development is not limited just to system construction. A practical and comprehensive solution customised to specific operation location including tank storage and pipeline construction is just one more advantage offered by FRICKE. Each logistic component is taken into account and solved in a space-saving manner.

FRICKE is your reliable partner regarding all aspects of the most efficient solution, whether in planning new production facilities or the expansion of production space at a later date.

All system components can always be extended or re-ordered. Your project is coordinated and supervised by an experienced engineer - you have a competent partner in all concerns.



Everything from a single source means maximum process reliability for you from the final inspection of system installations to handover - including instruction and comprehensive technical documentation for dosing systems and BMS.



## Filling Technology

### Calibrated filling

FRICKE filling technology stands for comprehensive knowledge and decades of experience in the calibrated filling of liquids.

**Our filling systems impress with their efficiency:**

- Compact and space-saving construction
- Time-saving and fast adaptation
- Easy use due to simple one-man operation
- Economical commissioning due to fast and easy installation

Each FRICKE filling system can be customised to your needs. The engineering know-how of our experts will benefit you in all areas – from dosing technology to filling systems.



Since the manufacturing takes place exclusively in our house and every production step is checked by us, we can provide you with machines in first class product quality.

The installation and commissioning by our expert staff as well as the careful training of your employees ensures you a reliable start.

## We configure your workflow more flexible and productive



The focus of our systems lies in filling solutions for small and medium-sized batches that provide greater productivity and flexibility.

Valuable space is saved due to the small space requirements. The one-man operation and a quick, easy cleaning of the valves allow for resource planning and rapid production change.

The product range includes robust, semi-automatic and fully automatic machines for filling various viscous to highly viscous liquids.

FRICKE filling plants have been proven in practice for many years and provide industrial solutions for

- Chemical products
- Paints and varnishes
- Adhesives
- Foodstuffs
- Mineral oils
- Building supplies
- Care and cleaning agents

All FRICKE filling systems are also available for hazardous area zone 1 according to the EU guideline 94/9 EC (ATEX).





## The right solution for every need

FRICKE filling plants can be customised to your application and extended by modules.

- Types of valves: Above-level filling, below-level filling, below-bunghole filling
- Types of containers: standard single containers such as cans, buckets, barrels, pails and IBCs
- Single or pallet filling
- Product features and optional components: Roller conveyors, pump control, nitrogen blanketing, CIP capability, automatic stacking, container capping, labeling and palletising

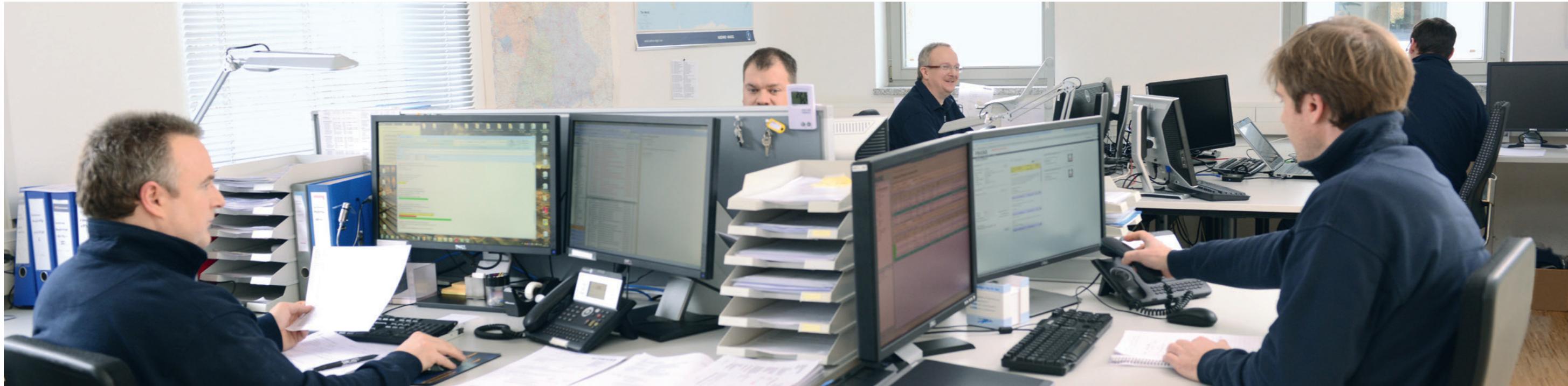


What would you like to fill?  
We advise you according to your needs and develop the most cost-effective and efficient system configuration.

### Our Portfolio:

- Semi-automatic plants  
Compact  
A 30  
Pallet filling
- Fully automatic plants
- Coordinate-measuring filling plant

## Best quality, best service: FRICKE support



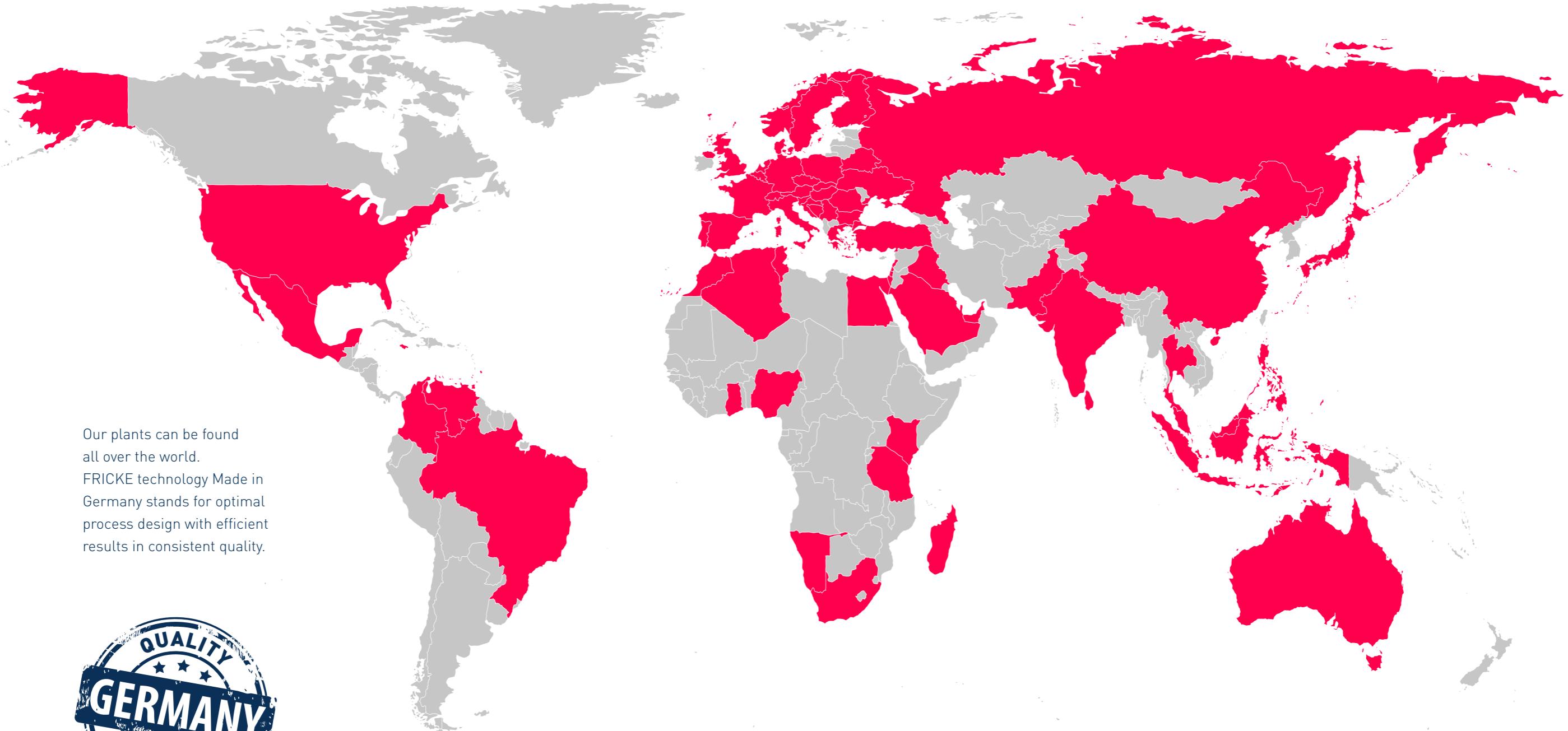
At FRICKE you can rely on comprehensive services.

- Worldwide customer support
- Own support center with hotline
- Two level support for your dosing system: via customer log in and online access using high-encryption data channels
- Software update service

- Fast delivery capacity: In our warehouse we have 10,000 spare parts in stock
- Regular inspection and maintenance, individual service agreements possible
- Guaranteed FRICKE know-how: On-site installation and training of employees by professionals
- Calibration support on request



## FRICKE – Quality worldwide



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