



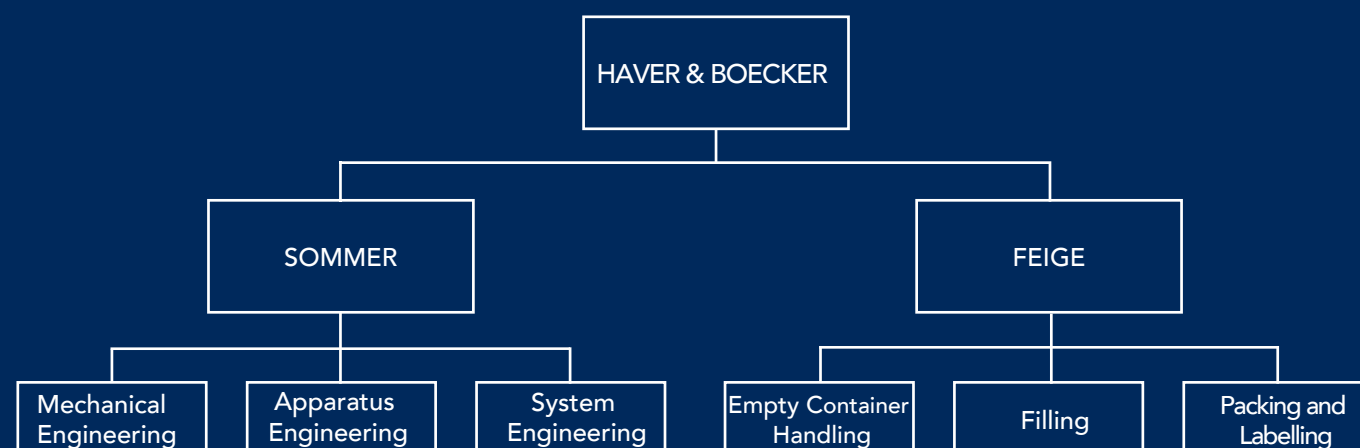
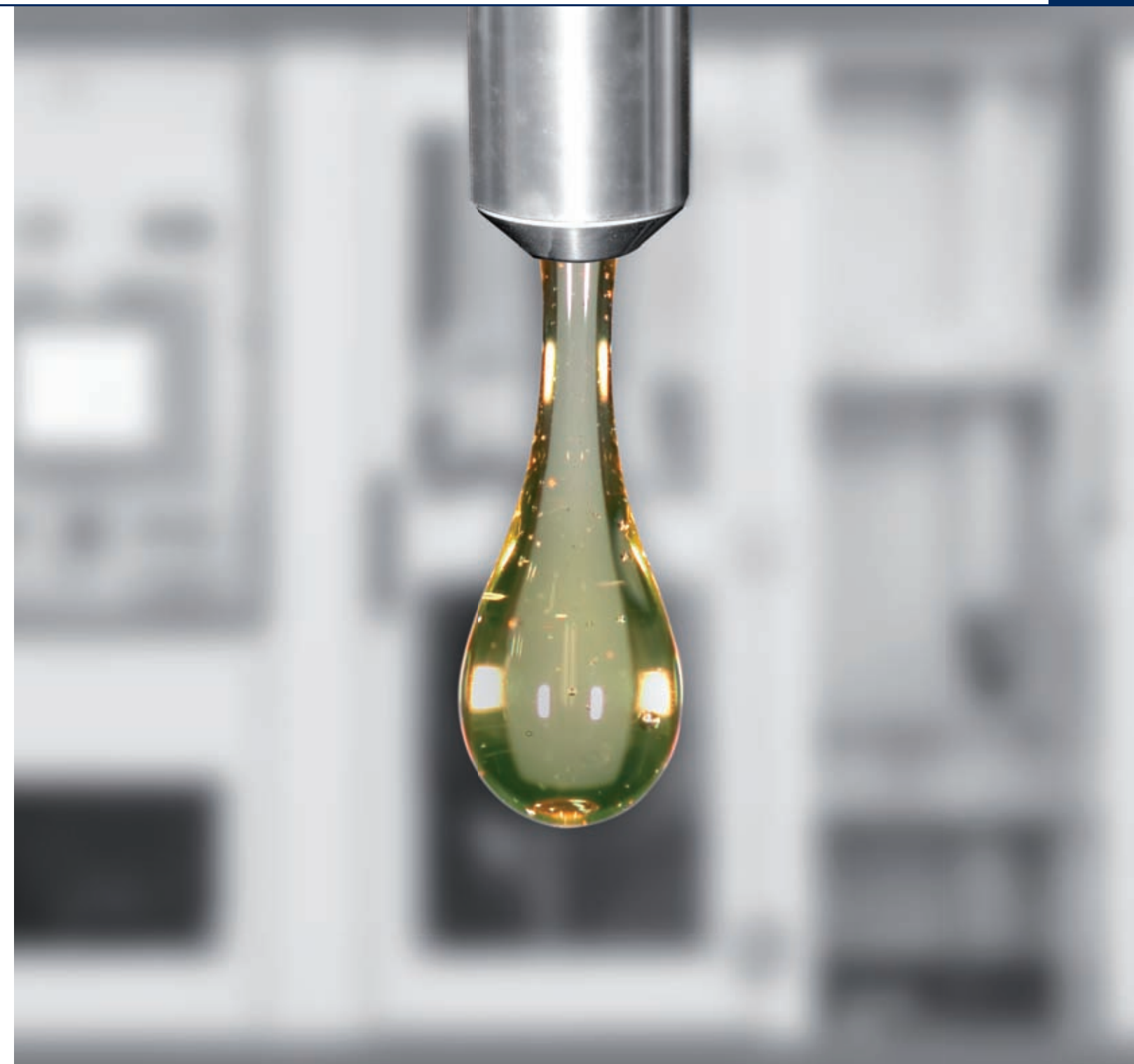
**TURNKEY SYSTEMS  
SOLUTIONS FROM ONE SOURCE!**

## Solutions from one source!

Since 2009 company Sommer partially belongs to the Haver & Boecker Group and complements the product range of company Feige GmbH, Abfülltechnik.

As world-wide leading manufacturer of mixers and containers as well as machines for the filling of liquid and viscous products we not only offer turnkey solutions but also the corresponding round-the-clock service for after sales. Globally, we are represented by our own subsidiaries or our continuously trained agents.

Not only the customized engineering, also the economic system of standard components, construction groups and control conceptions indicates Feige and Sommer as attractive partner for all kinds of enterprises in the chemical and pharmaceutical industry, petro-chemical industry, building material, paint and lacquer industry, food processing, construction materials industry, logistics and packing industry. A global network of subsidiaries and our agencies in France, Brazil, USA, Spain, Poland, China, India and Singapore focus their utmost attention on our customers, always guided by our head offices in Bad Oldesloe and Düsseldorf.



Nearest Precise Engineering



Founded in 1895, Sommer is today a major business partner for the manufacture and installation of machinery and systems that are put to use in a variety of production areas. The product range extends from agitators and mixers to steel structures, tank farms and turnkey systems.

SOMMER offers a complete all-round service package, starting with initial talks, going further with design/planning, manufacture, delivery, assembly and commissioning. Solutions for peripheral, organisational and approval tasks comprise everything ensuring optimum order handling - including of course tailor-made solutions for special requirements.

Experience, competence and success in many countries make SOMMER a reliable partner of the HAVER GROUP.





For more than 100 years, our motivated employees have been designing and manufacturing individual and customised machinery and systems in the following sectors:

■ **Mechanical engineering**

Agitators, mixers, horizontal mixers, dissolvers, planetary mixers with a driving power of up to 500 kW.

■ **Apparatus engineering**

Agitator, storage and pressure tanks up to Ø 4000 mm and up to a content of 100,000 litres.

■ **Systems engineering**

Complete production systems as well as mixing and tank systems with all necessary conduits, fittings, pumps and associated steel structures

■ **Process control**

Cabling of system components, automation and visualisation of processes, recipe and batch control systems, connection to existing ERP systems.

Thanks to the many years of experience in agitating and mixing engineering, we are able to offer our customers process-optimised solutions. Our service range covers everything from draft and approval planning to the manufacture and assembly of the machinery or systems.

Our high-quality machinery and systems are mainly used in the paint, lacquer, cleaning agent and adhesive industry, but also in other branches of the industry such as the chemical, pharmaceutical, oil and grease sector.







Storage



Mixing



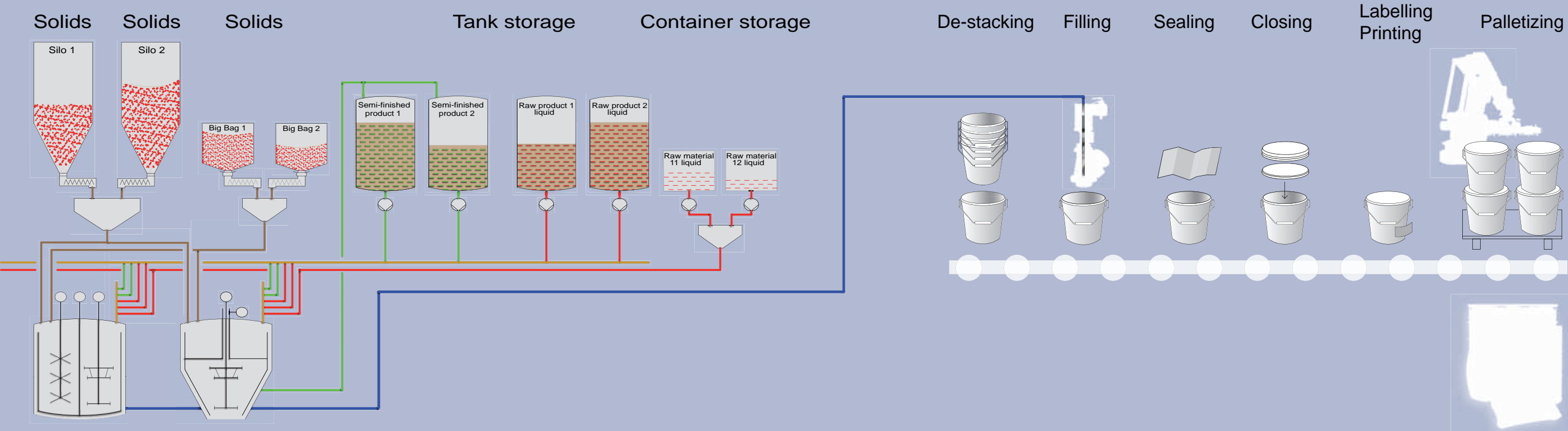
Mixing/ Filling



Filling



Packing



Feige GmbH, Abfülltechnik is a manufacturer of TURNKEY systems for accurate filling of products suitable for pumping.

Feige GmbH, Abfülltechnik is a German manufacturer of gravimetric filling machines used for precise filling of liquids and pastes. Founded in Hamburg, Germany in 1972, Feige GmbH, Abfülltechnik has gained technology leadership through constant innovation.

On 5.400 m² we manufacture innovative and solution oriented filling systems according to your requirements.

## Container and Bag Filling

It all starts with customer's container requirements. Feige systems are suitable for a wide range of product containers starting at a 0.5 kg tin via pails, jerry cans, bags, steel and plastic drums up to IBCs. Simple semi-automatic stand-alone machines to fully automatic turnkey solutions for various container types are our business.



Our customers' requirements are complex and some applications are:

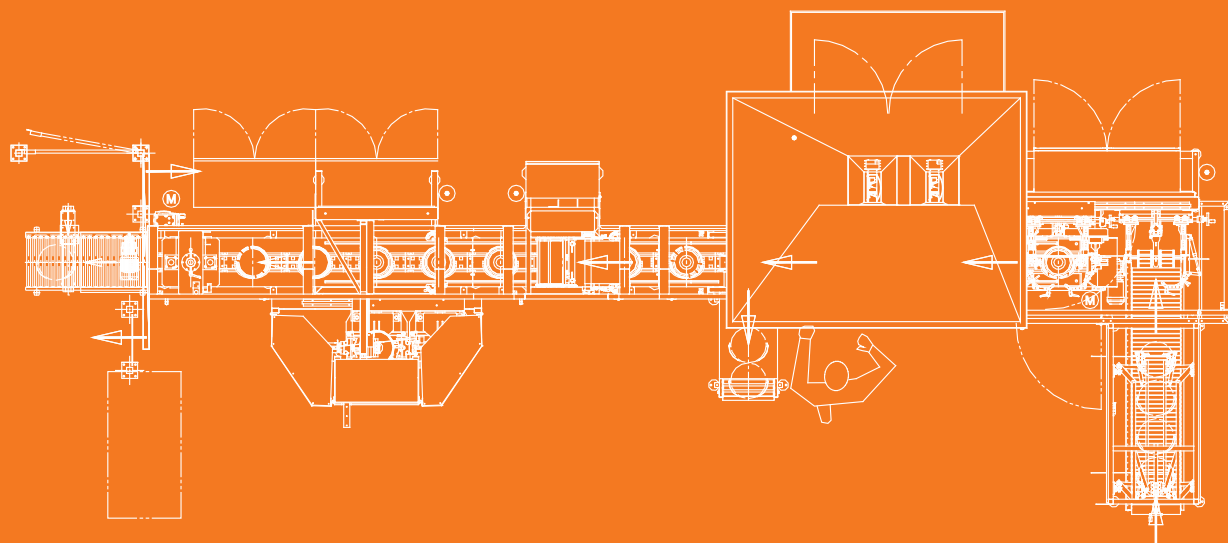
- Automatic unloading of empty drums from trucks or trailers
- Automatic empty drum storage systems
- Empty container de-palletising
- Pail de-nesting
- Empty container conveyor systems
- Bung hole location
- De-bung or cap removal
- Empty container leakage testing
- Empty container contamination checks
- Inert gas purging
- Container earthing for hazardous area applications
- Precision filling within Weights & Measures limits
- Bag filling for liquid and pasty products
- Foil sealing for pails
- Seal cap application for jerry cans
- Capping and bunging for jerry cans and drums
- Lid placing and pressing systems for cans and tins
- Pressurised bunging for hot products
- Cap sealing systems for drums
- Labelling, printing and ink-jet systems
- Filled container conveyors
- Palletising systems
- Strapping and stretch-wrapping system



Our typical scope of supply includes:


- **Empty Container Handling**  
Pail de-stacking, in-feed directly from a pallet, canister buffer for empty containers, empty container transport, earthing of containers in hazardous areas (EX).
- **Filling with Feige Weighing Technology**  
Calibrated filling of IBC, drums, pails, canisters and bags.
- **Packing and Labelling**  
Stretching, cardboard packing, palletizing, labelling, Ink-Jet-printing and laser scanning.


References prove our know-how. You are invited to visit several installations all over the world or our site in Bad Oldesloe.







After you purchased a Turnkey system you can make use of our various after sales service opportunities. This will ensure maximum equipment availability and production capacity at the highest level. Preventive maintenance will avoid unscheduled production stops and equipment breakdowns.


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**Teleservice**  
If required, we are immediately at your disposal via Teleservice. We have access to your control system through a modem-to-modem connection. We can locate irregularities and take appropriate measures for rectification.
- 


**Spare parts service**  
We guarantee long-term and optimum supply of all required spare and wear parts for your equipment.
- 

**Equipment inspection**  
Regular inspections and maintenance increase the availability of your equipment.
- 

**Equipment maintenance**  
The actual state of your equipment is assessed as per DIN 31051.
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**Service contracts**  
A service contract will be drawn up meeting exactly your demands. The table shows you the possibilities.
- 

**Equipment check**  
Depending on the field of application, some checks must be carried out or must be repeated during operation. Ask for our support regarding equipment, safety and calibration.
- 

**Training**  
Regular training of your operating and maintenance personnel guarantees a high level of efficiency of your equipment. We offer training in our works or directly at your equipment.
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**Equipment optimisation**  
Your equipment should be adjusted to new fields of application. We will provide you. with the appropriate concept to fulfill your new requirements.



Worldwide more than 3900 machines have been delivered to...

- |                 |             |               |
|-----------------|-------------|---------------|
| Austria         | Hungary     | Portugal      |
| Belgium         | India       | Rumania       |
| China, Hongkong | Ireland     | Russia        |
| Denmark         | Italy       | Sweden        |
| Egypt           | Malaysia    | Schwitzerland |
| Finland         | Mexico      | Singapore     |
| France          | Morocco     | Spain         |
| Germany         | Netherlands | Turkey        |
| Great Britain   | Norway      | USA           |
| Gulf States     | Poland      | Others        |



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