



SMB International GmbH

► Filling plants



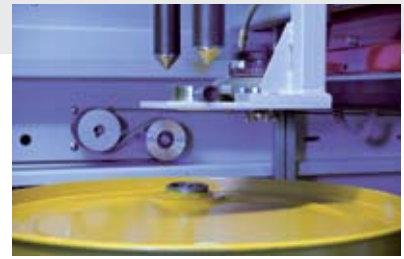
Drums

Pallets

Containers

Bulk goods

MADE IN GERMANY



Line filling plants



We produce single filling stations with scales (semi-automatic plants) for you as well as fully automatic plants.

A camera provides contactless positioning for the bung-holes with early recognition of overfilling, for foam producing products, for example. The plant is switched off at the right time – time consuming and expensive cleaning work is avoided.

Soft starting motors provide completely splash free transportation of the tubs.



Pallet filling

The articulated filling stand works semi-automatically. This is preferably used to perform (partial) filling below the bung hole. The sturdy profile steel construction of the filling stand and the boom is ideally suitable for permanent operations. The height adjustment allows universal use of the plant for various tub sizes which have to be held ready on pallets.

Save costs:

Everything from one manufacturer

- Connection via profibus or Ethernet to dedicated EDP systems
- Modem for remote diagnosis and remote servicing
- Visualisation with self-explanatory Operating instructions
- Extremely sturdy construction type
- Simple and effective servicing and operating concept






Container filling

Small tubs and paper trays are safely filled with the filling system. Sealing with foil and inductive welding of the plastic bucket is another in-house development from *SMB Filling*. Nitrogen layering before welding to sterilise the container is also possible. A high throughput rate is reached with an empty bucket magazine developed especially for this type of machine. A cover closer, a cabin or a laminar flow system as accessories extend the filling plant according to the customer's wishes.



Bulk goods filling

Bulk goods are usually filled semi-automatically into Big Bags, octabin containers or into open cans and fibre drums. Different dosing heads are used here with coarse-flow or fine flow procedures, depending on the product. Transportation and removal of the tubs takes place semi-automatically or completely automatically, the tubs are opened and closed manually. Vibrators compact the product, a dust extraction system extends the filling system.

	Filling system	Standard
liquid	Tubs	 Standard tub filling
	Pallets	 Standard pallet filling
	Container	 Standard container filling
solid	Granules	

Drums
Pallets
Containers
Bulk goods

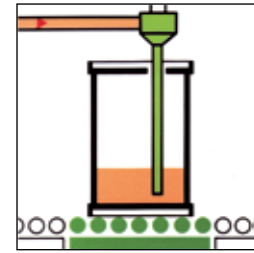
SMB Filling plants:

- fully automatic – semi-automatic
- mobile - stationary

Cleaning agents, acids, alkaline solutions, edible oil or paints: Liquids and powdery bulk goods are filled. You have the highest performance, no matter which filling plant from *SMB Filling* is used to solve the task. Fully automatic or semi-automatically, mobile or stationary, depending on the application.

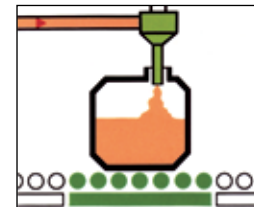
Our filling plants are also suitable for foodstuffs and for use in clean rooms: They comply with the requirements of GMP and FDA. Fully shrouded systems with sluices and a gas extraction unit provide extremely high operational safety. The filling plants from *SMB Filling* can even be used in explosion zones without any danger.

Filling below level



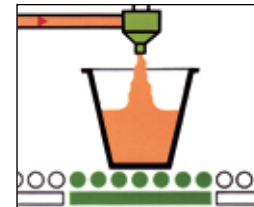
Application: Heavily foaming products giving off gases and which have to be handled carefully, such as cleaning agents, wood impregnation materials, etc.

Filling below bunghole



Application: Products foaming slightly and volatile products such as acids, alkaline liquids, edible oils and solvents.

Filling above level



Application: Non foaming products, such as paints, sauces, cooking fats.

Filling lances, filling valves and conveyor technology – all the extra equipment is made by *SMB Filling* in its own production. This is the only way in which we can customise the dimensions of your filling plant right down to the nearest millimeter for the prevailing conditions.

All the usual filling methods are offered. *SMB Filling* offers a new development for the filling process which cannot be found elsewhere: continuous filling with the highest performance without blow back.

Our plants can take „hard punches“. The welded steel has stood up to the test of time under permanent loads. The compact, cleverly thought-out and frequently tested filling system from *SMB Filling* is extended by peripheral systems such as automatic palletizing, automatic labelling, automatic ink jet lettering, drum and pallet transportation, empty drum warehousing and full drum warehousing.

Your advantages as a user:

- high filling capacity
- continuous filling without blow back
- mobile plants
- fully automatic sealing
- Camera controlled positioning

Special feature: Mobile filling plants

Mobile filling plants from *SMB Filling* for batch production (and also in feed batch processes) have stood the test of time. They are placed where the end product has to be harvested after the reaction. Tubs consisting of smaller reaction tubs, reaction vats or silos can be filled fully automatically from the reaction vessel where production takes place – directly at the place of production.

Semi-automatic

Fully automatic



Semi-automatic tub filling plants



Fully automatic tub filling system



Semi-automatic pallet filling plants



Fully automatic pallet filling systems



Semi-automatic container filling plants



Fully automatic container filling systems



Semi-automatic granule filling systems



Fully-automatic granule filling systems

SMB International
MBA Instruments
SMB Shiploading
SMB Filling
SMB Palletizing
SMB Logistics

SMB Group

Automatic Systems for Filling, Storage and Conveying

Our know-how : Your benefit

You will find a safe solution for your task, whether you want to deposit huge paper rolls, drums or pallets in compact warehouses or grain in silos because we do not just show you how to warehouse your items or to measure how full they are, but we also construct fully automatic filling systems for you, whether these are for liquids or solid materials.

Loading sacks on to ships ? An ideal application for the spiral chute. And palletizing for cardboard boxes ? We only need to ask you: „With, or without box turner ?“

Turntables, chain conveyers, welding systems, rotating and moving carriages, drive in and shuttle systems. You can get this and a lot more from SMB and MBA. Precisely coordinated according to your wishes and ideas. As a turnkey project. In an extremely sturdy and high value quality. Also for use in explosion endangered zones. Have a word with us.

- **High future safety**
- **Quick reaction**
- **Enormous saving in costs**
- **Realisation strictly according to deadline**
- **Extreme stability**

because of products constructed systematically on a modular basis
 because of complete production in our company
 in maintenance and servicing because of standard remote diagnostics
 of turn key projects because of planning right up to commissioning from one source
 because of a welded steel chassis

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- Conveyor technology
- Labelling
- Ink jet lettering
- Palletizing
- Empty drum warehousing
- Full drum warehousing
- Drum transportation
- Pallet transportation
- HGV unloading
- Explosion protection
- Clean room cabins
- Tightness test empty/full
- Camera recognition
- Drip catchers
- Vacuum hoods
- Clincher
- Screw on / screw off cover unit



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