



Filling and
packaging equipment
for liquid products

Some examples of our semi automatic volume and weight fillers

Semi automatic volume filler type Vreebase DU01, fully pneumatically operated, with dosing mechanism suitable for fills between 0.1l and 5l in one dosing shot, lid presser for press lids and flat presenting table with manual height adjustment.



Semi automatic volume filler type Vreebase DU01, fully pneumatically operated, with dosing mechanism suitable for fills between 0.1l and 5l in one dosing shot, shown here with a closed filling head for product infed from a tank above the machine, cap tightener on a balancer for screw caps and flat presenting table with manual height adjustment.



Filling machine type Vreebase DU01-MT with dosing mechanism suitable for fills between 0.1l and 5l in one dosing shot, lid presser for press lids, bottom coder and presenting table adjustable in height by means of a handwheel with counter, designed as a mini transport system with 5 steps of 220 mm, suitable for cans up to 5l. The picture on the right shows the machine with a fixed transport height and combined with a round can feeder for empty cans.





Filling machine type Vreebase DU02 with dosing mechanism suitable for fills between 0.5l and 20l in one dosing shot, adjustable in height, and presenting table designed as a 1 m long non driven conveyor mounted at a fixed height.

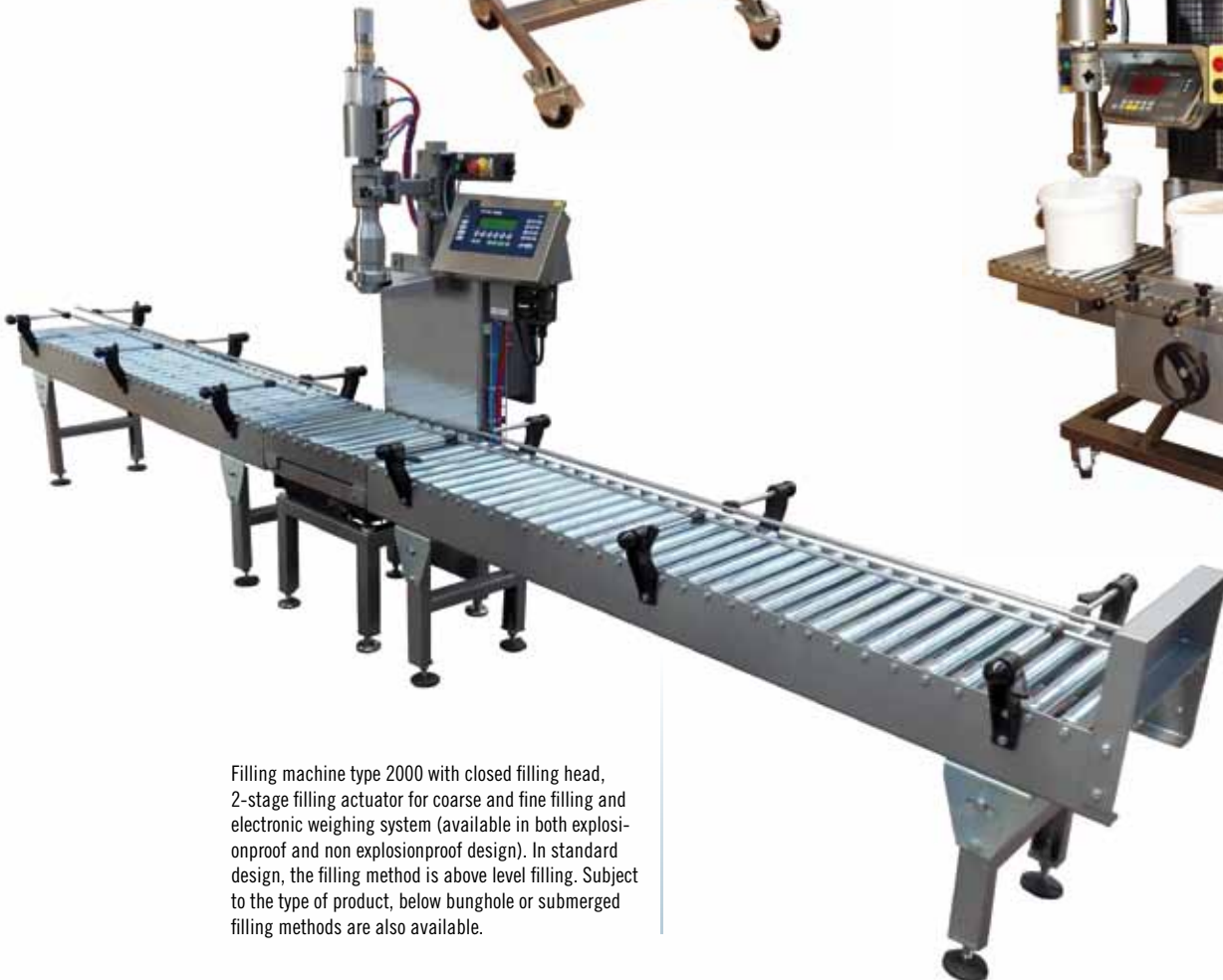


Filling machine type 2000 with closed filling head, 2-stage filling actuator for coarse and fine filling, electronic weighing system (available in both explosionproof and non explosionproof design) and pump for the product infeed. In standard design, the filling method is above level filling. Subject to the type of product, below bughole or submerged filling methods are also available.

Filling machine type Vreefill with hopper, 1-stage filling actuator, 2 mechanical scales with counterweights, a "B"-scale with weighing capacity between 0.1kg and 15kgs and a "C"-scale with weighing capacity between 5kg and 50kgs. Design with lid presser for press lids.



Filling machine type 232 with closed filling head, 2-stage filling actuator for coarse and fine filling, electronic weighing system (available in both explosionproof and non explosionproof design), non driven conveyor at the filling position and mini transport system to bring the filled containers automatically to the lid closer station. The lid closer station can handle both press lids and crimp lids. In standard design, the filling method is above level filling. Subject to the type of product, below bughole or submerged filling methods are also available.



Filling machine type 2000 with closed filling head, 2-stage filling actuator for coarse and fine filling and electronic weighing system (available in both explosionproof and non explosionproof design). In standard design, the filling method is above level filling. Subject to the type of product, below bughole or submerged filling methods are also available.

Some examples of our fully automatic volume fillers



Fully automatic volumetric filling machine type V304, shown here in a design with round can feeder for empty cans, a can positioner-labeler for small self-adhesive labels, a volumetric filling station for fills between 0.1l and 5l, an automatic lid placer for metal and plastic lids, a lid closing station and a security station "no lid – stop machine".

Fully automatic volumetric filling machine type V302P, shown here in a design with pail denester for plastic and metal conical pails, a special "pot denester", a volumetric filling station, immediately followed by a checkweigher which stops the machine if any under- or overfilled cans are detected, an automatic lid placer for metal and/or plastic lids, a lid closing station and a security station "no lid – stop machine".





Fully plc controlled filling machine type V302-Twin with rectangular infeed table for the empty cans, 2 servo driven dosing mechanisms with selfcleaning hopper, an automatic lid placer, a cap sorter/feeder/closer for automatic infeed and tightening of press caps, a lid closing station and a security "no lid – stop machine".

A fully plc controlled machine guarantees automatic size change in the shortest possible time.



Fully automatic volumetric filling machine type V230i with 20l dosing unit suitable to fill metal and plastic pails with volumes between 0.5l and 20l in one shot. Shown here in a design with automatic lid placer.



Fully automatic volumetric filling machine type V230i-Twin with two 20l dosing units suitable to fill metal and plastic pails with volumes between 0.5l and 20l in one shot. The two dosing units can be used to separate non-compatible products or for higher speeds if e.g. 50% of the pail is filled with the first head and 50% with the second head.



Some examples of our fully automatic weight fillers


Filling machine type V231 with flatchain infeed conveyor, closed filling head with 2-stage filling actuator for coarse and fine fill, electronic weighing system (available in both explosionproof and non explosionproof design), automatic lid placer, automatic lid closing station and non driven outfeed conveyor as a buffer table.



Fully plc controlled filling machine type V301-Trin with 3 closed filling heads, the first two of which have a 1-stage filling actuator for coarse filling and the third head with 2-stage filling actuator for coarse and fine fill. Electronic weighing system available in both explosionproof and non explosionproof design. With automatic lid placer and lid closing station.

A fully plc controlled machine guarantees automatic size change in the shortest possible time.





De Vree
a partner to rely on

Ancillary equipment and special projects

De Vree is your preferred partner for customized machinery and special projects.
Some examples of customized machines.



Filling of hand cleaners

Below level filling with
mass flow meters



Filling of mayonnaise



Special dispensing systems for high viscous products (to be combined with e.g. a discharge press)



Double track high speed filling line for activators, thinners and clears with automatic cap feeding

Some examples of ancillary equipment.



Automatic pail denesters

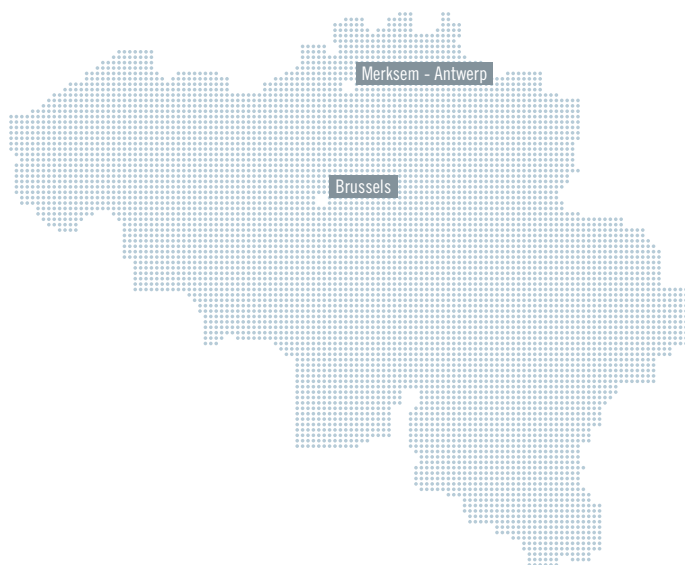
Positioner-labelers for small self-adhesive labels

Automatic cap feeders



Some references

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|-----------------|---------------------------|-------------------|
| Adler | Freeworld | PPG |
| Akzo Nobel | FSW Coatings | Pro Form Products |
| Alba | Hammerite | Prodec |
| Al Jazeera | Helios | Prominent Paints |
| Asian Paints | Hempel | Propan Raya |
| Autocolor | Henkel | Pufas |
| Barbot | Heubach | Puratos |
| BASF | Home Hardware | Red Sea Paints |
| Basin | ICC | Reef |
| Belcolade | ICI | Remmers |
| Ben Hadj Frères | Imparat | Ronseal |
| Blanchon | International Paint | RPM |
| Bostik | Jotun | Rupf & C° |
| Brillux | Jub | Sadolin |
| Calvé | Kansai Paints | Saint-Gobin Weber |
| CAP | KCC Corporation | Samsung |
| Caparol | Khodrang | Schönox |
| Catteau | Kunsul | Sherwin Williams |
| CD Color | La Seigneurie | Sigma Coatings |
| Colona | Libert Paints | Sika |
| Corimon | Loba | Sniezka |
| CIN | Marshall | Soficor Mäder |
| Colorado | Materis Group | Sto |
| Coral | Meffert | Südzucker |
| CPPQ | Middle East Paint Company | Tambour |
| Crown Paints | Mido | Tikkurila |
| DAW | Mipa | Titan |
| Dulux | Nestlé | Topaz |
| DuPont | Nippon Paint | Trilak |
| Durieu | Nordzucker | Unifine |
| Dyo | Ostendorf | Unilever |
| Dyrup | Pachin | Van Dijk Foods |
| El Obour | Pauwels | VIV |
| ENAP | Pars Pamchal | V33 |
| Eucatex | Plascon | Xylochimie |
| Euridep | Polisan | ... |



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