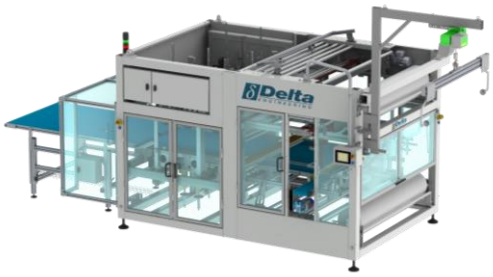
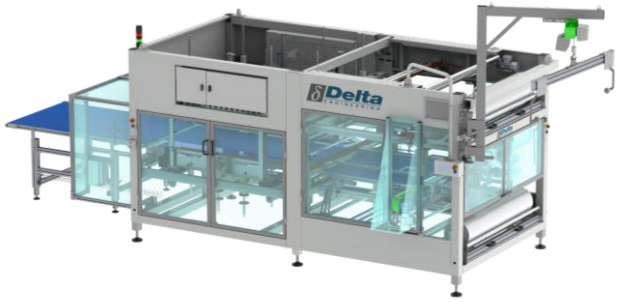
DB100-DB112-DB122-DB142

FULLY AUTOMATIC BAGGERS

DESCRIPTION



The DB100-DB112-DB122-DB142 is a range of fully automatic baggers for empty bottles. The model depends on the bag dimensions you need. Every model makes bags in a different size range – see table p. 3.



CONCEPT

The bottles are fed in on a table top conveyor. Then, row by row, a **layer of bottles is created** by pushing the rows onto an indexing conveyor or a stainless steel plate depending on the option. Once the layer is finished, it is **pushed through the plastic sheet** and the back of the bag is being **sealed**. During the sealing, also the front of the next bag gets sealed and the machine cuts the plastic in the middle. The bag then proceeds to the side welding beams where the bag gets completely sealed. The bag then runs out of the machine on a **flat belt / roller conveyor** and can optionally be **shrunk** by an oven that can be placed immediately behind the bagger.

Our latest design has improved new and patented **Easyweld ™ welding bars**. Thanks to this technology, bags can be made **fairly tight without the need for heat shrinking** which is to be avoided in PET environments.

Optionally, we can automatically stack the bags on the pallet.

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STANDARD FEATURES AND OPTIONS

Standard features include

- Position controlled pusher synchronized side guiding and indexing belt for rows and layers
- Rugged machine with a steel frame
- Adaptable to a range of bag dimensions
- Graphical user interface with touchscreen and recipes for easy setup

Options

- Rotation wheel: this option is mostly used for oval bottles. Bottles that are not accumulating on 1 side will be oriented in that way so they can still be stacked automatically.
- Rotation unit: products can be rotated 0°, 90°, 180° or 270°, depending on the requested stacking pattern. This will result in a higher fill ratio in case of big rectangular bottles.
- Side shift station: when packing round bottles, the filling rate of the layer can be improved using a staggered pattern. This station enables this.
- Block formation: this function allows to feed in bottles faster in a stable way.
- Row length control
- Vibrating guidings: advisable for sticky products (PP, PET, PETG).
- Ionizer: prevents major problems with static charges on the bottles that can result in falling bottles.
- Vacuum under the bottles on the pusher position. This increases stability and allows higher production speeds.
- Automatic removal of plastic
- Perforation plastic foil

ADVANTAGES

- A very **flexible** machine allowing bagging for a **wide range of products**.
- **Fast changeover** times.
- **Reduces manual labour** and **packaging material cost** resulting in a short return on investment. Only 10-20% of the cardboard packaging cost.
- The products are in a closed bag and **protected from dust** and contamination resulting in a very **hygienic** way of packing.

GENERAL SPECIFICATIONS

- Frame — Powder coated welded steel frame (RAL7035)
- Conveyor — Aluminum frame/profile, chain or flat belt depending on option
- Air supply — ¼" connection, Max 10bar (145PSI), 8bar (116PSI) recommended
- Weight — depending on type and options
- Control board
  - ✓ Supply voltage — 20A / 3x400 VAC + N / 50/60 Hz +/- 10 % + PE
  - ✓ Main controls — Omron
  - ✓ Graphical user interface — Omron
  - ✓ Low voltage switch gear — Allen Bradley
  - ✓ Power controls — Omron /Yaskawa

PACKAGING CAPABILITIES OF THE DIFFERENT MACHINES

Machine	Max bag length	Bag width	Max product height
DB100	600 mm (23,6")	350 – 800 mm (13,8" - 31,4")	300 mm (11,8")
DB112	800 mm (31,4")	600 - 1200 mm (23,6" - 47,2")	300 mm (11,8")
DB122	1200 mm (47,2")	600 – 1200 mm (23,6" - 47,2")	300 mm (11,8")
DB142	1200 mm (47,2")	600 – 1200 mm (23,6" - 47,2")	500 mm (19,6")