

Gain space with the new "neck-in-bottle" stackable containers

In order to increase their market share, beverage bottling companies have to test innovative packaging solutions allowing substantial cost and energy savings and ensuring high levels of production efficiency.

For that reason, SMI has developed a new type of stackable container in PET called "neck-in-bottle", which, in comparison with a standard bottle, features a much deeper bottom hollow; that configuration allows to stack several layers of bottles without any space gap in-between, since, thanks to the innovative bottle bottom design, the neck of the bottles on a given pallet layer fully inserts into the bottom hollow of the bottles standing on the overlying layer.



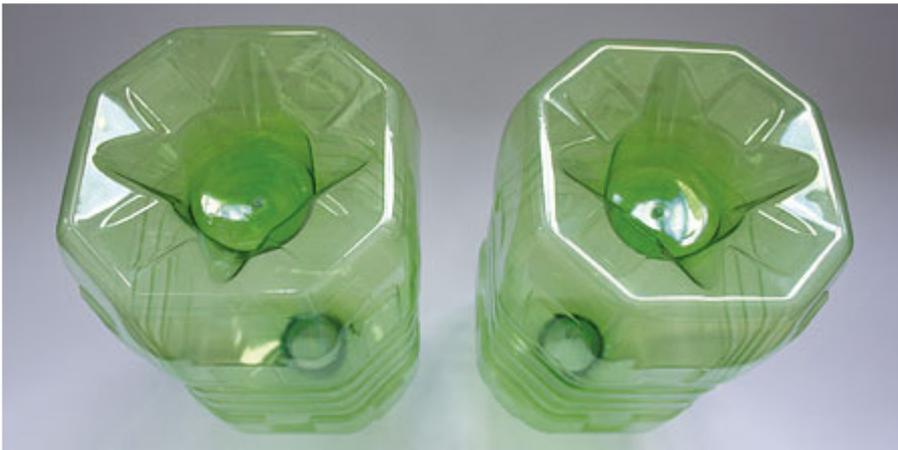
Innovative solutions to optimise the output

For instance, 5-liter "neck-in-bottle" stackable containers allow to get 4-layer pallets; that means one layer more in comparison with the 3 layers composing a pallet of traditionally-shaped containers, with a 25% increase in the number of bottles palletised with no meaningful changes in the final size of the pallet.



The new "neck-in-bottle" container, manufactured either by Smiform's "stand-alone" stretch-blow moulding machines and ECOBLOC® compact systems of bottle blowing, filling and capping, is an innovative solution ensuring substantial benefits:

- **better use of space on the pallet:** for every palletisation layer the space gap caused by the bottle's neck is saved, since the neck inserts into the bottom hollow of the overlying bottle;
- **packaging cost reduction:** with the "neck-in-bottle" system containers can be stacked with no need for interlayer cardboard pads, thus reducing the cost of the packaging material;
- **transport and storage optimisation:** thanks to the higher number of bottles on each pallet versus conventional configurations, transportation costs for each container are substantially reduced, as well as the storage room;
- **waste reduction:** the "neck-in-bottle" system allows to remarkably reduce production waste caused by bottle necks breaking during the palletising process;
- **enhanced visual appeal of the pallet:** the pallet is more compact and offers greater possibilities for product promotion by using eye-catching graphics.



If you would like to get further information on newer packaging solutions by SMI, please feel free to get in contact with our sales department or to send an e-mail to info@smigroup.it

Thank you for your attention. Best regards.

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