

Stackable container for selective collection of glass bottles

New and customizable system to collect glass bottles. This system allows an easy operation of loading, transporting and unloading the bottles in the treatment plant prior to subsequent reuse. Reduces the contamination caused by the process for the production of new bottles contributes to reduce the cost of waste management and Implies cost savings for producers of wine and beer bottles.

The Challenge

Reuse is shown as a more economical and ecological alternative to the material recycling coming from the glass containers and, particularly because of its high consumption, of the wine and beer bottles.

Therefore, there is interest and need to implement management systems for an effective reuse of this type of glass containers and, as a consequence, of infrastructures for selective collection, transport and treatments.

Containers for the selective collection of glass bottles should facilitate said operation and prevent their breakage, while allowing efficient management of their collection, transport, treatment and replacement.

The Technology

Stackable container for the selective collection of glass bottles, both wine, beer or soft drinks, which allows an easy operation of loading, transporting and unloading the bottles in the treatment plant prior to subsequent reuse.

Robust exterior structure, it has removable media inside, where the containers are stacked. The releasable base facilitates extraction.

Innovative advantages

- Sturdy and lightweight
- Stackable and versatile
- For indoor and outdoor use
- Configurable for bottles of wine, beer or soft drinks
- Removable and interchangeable collection media
- Easy to upload and download
- It does not damage the bottles
- Customizable decoration

Current stage of development

Structural and functional design ready for the construction of a first prototype.

Applications and Target Market

- To selective collect different bottle models (wine, beer, soft drinks)
- Selective collection at municipal collection points
- Also for collection in bars, restaurants, and shopping, leisure and sports centers
- For use in public or private management systems

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3D views of the container



Business Opportunity
Technology available for licensing with technical cooperation

Utility Model Status
Graded

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