

Proposal 2: Multi-Tier Serving Trolley

Description

The Multi-Tier Serving Trolley is a mobile unit designed to combine practicality, elegance, and environmental respect. Ideal for those who enjoy hosting special lunches and dinners, this trolley is crafted to carry and present up to 20 dishes, thanks to its optimized and versatile structure.

Two shelves and two hidden surfaces will be able to provide the space needed to display and transport plates of various sizes without any compromise.

Design Concept

Lightweight and Sturdy Structure: The trolley's frame is crafted from eco-sustainable materials like engineered wood and aluminum, offering solidity, elegance, and lightness. This combination of materials ensures stability and easy maneuverability while maintaining a minimal environmental impact.

Modern and Adaptable Design: The clean and modern lines integrate seamlessly with any decor style, adding a touch of class to the kitchen or dining area. The structure is designed to be both functional and discreet, adapting to various environments without taking up excessive space.

Modular and Optimized Shelves: The trolley features 2 raised-edge shelves, and 3 fixed shelves at the bottom, allowing for safe and organized arrangement of dishes. The shelves are designed so that each level can hold plates and/or accessories of various sizes:

- **Top Shelf:** The largest, designed to hold main and larger dishes such as cakes.
- **Intermediate Shelves:** Ideal for medium and large-sized plates.
- **Bottom Shelf:** Perfect for cleaning accessories, utensils, and condiments, keeping things organized and accessible.

Project Features

Swivel Wheels with Locking Mechanism: The trolley is equipped with swivel wheels that allow movement in any direction and a locking system to ensure stability once positioned. The wheels enable safe and easy transport, even in crowded or narrow spaces.

Ergonomic Handles: The handles are designed for a comfortable and secure grip, improving the trolley's maneuverability, even when fully loaded. Those will allow any kind of user to move it comfortably.

Multiple compartments: Le due superfici nascoste possono essere rialzate a livello della superficie principale garantendo ulteriore spazio per piatti di grandi dimensioni. Le altre 2 fisse sono invece predisposte per contenere Piatti di qualsivoglia dimensione. L'ultimo livello è invece stato Progettato per contenere piatti e utensili utilizzati, ma anche tazze da tè e accessori per la pulizia.

Safety and Stability: Each shelf is fitted with raised edges to prevent dishes from sliding. Additionally, a side grille provides stability during movement, protecting plates from accidental falls.

Dimensions

Height: 90 cm

Length: 90 cm

Width: 60 cm

Shelf Specifications

Top Shelf: 60 x 20 cm

Intermediate Shelf: 60 x 20 cm

Bottom Shelf: 60 x 20 cm

Hidden liftable Shelves: Two pairs of 50 x 15 cm

Technical Features Summary

Portability: Thanks to lightweight and sturdy materials, swivel wheels with locking mechanism, and ergonomic handles, the trolley offers excellent stability and ease of transport.

Elegance and Sustainability: Crafted from economical and eco-friendly materials, the trolley maintains a refined style suitable for any environment.

Strength and Safety: The solid frame ensures durability, while the raised edges and side grille secure dishes during transport.

Multi-layers and Modularity: The large number of shelves allows for space configuration according to needs.



2nd Project: Rectangular Cart



