



Blender Market – Disassemble

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Blender Market – Disassemble:

I've developed an addon that simplifies translating Blender designs into physical objects, particularly useful for items like cabinets. Traditionally, converting a Blender design to a tangible object involves tedious manual flattening onto wood sheets, which is prone to errors and time-consuming. While the addon doesn't support nesting, it significantly aids this process.

Installation:

- Download the zip file and install it via Edit - Preferences - Addons in Blender- no need to extract the zip file.
- Activate the addon from the N-panel under the Edit menu.

Usage:

- Select objects, ensuring they are separate and have applied scale and rotation.
- Press 'Disassemble' to duplicate and flatten objects in the XY plane.
- Flattened objects are color-coded, and rows share the same thickness, aiding visual organization.
- The 'Select linked' option selects objects with the same size.

Extra Options:

- Volume calculation for selected objects.
- Sheet options for creating cutting plans, including drag-and-drop functionality.
- Calculate remainder and stack-up options for efficient cutting plans.
- Export features for CSV and DXF files, enhancing compatibility with spreadsheet and CAD software.

Export Options:

- Export selected objects as CSV for spreadsheet analysis.
- Export objects as DXF for further editing in CAD software, allowing adjustments to scale for precise sizing.

Simplify your design-to-physical process with this addon, ensuring accuracy and efficiency in your woodworking projects.

Flattening and Sorting:

- The addon flattens and sorts components such as cabinets, making it more convenient to convert Blender designs into physical objects.
- It doesn't support nesting but assists in the overall process.

Cost Estimation:

- Provides an estimate of wood requirements and total surface area, which is crucial for estimating the cost of a product.
- Calculates the volume of selected objects, considering wood density, aiding in cost calculations.

DXF File Generation:

- Generates DXF files for components, facilitating export to CAD programs for further refinement.
- Ensures seamless integration into CAD software for detailed editing and dimensioning.



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