

ABS Custom Enclosure

➤ 154*84*50mm



WHY AURO3D? ULTIMATE SOLUTION FOR YOUR ENCLOSURE BOX

1 DESIGN AND ENGINEERING COLLABORATION

- With
- Electronics manufacturers
- Product development companies
- Startups and innovators
- Any company developing products with complex internal electronics and critical enclosure requirements

2 YOUR DEDICATED R&D EXTENSION

- Delivering design that ensures
- **Performance**
- **Manufacturability**
- **Aesthetics**
- Translating complex PCB layouts into functional design

3 QUALITY YOU CAN TRUST

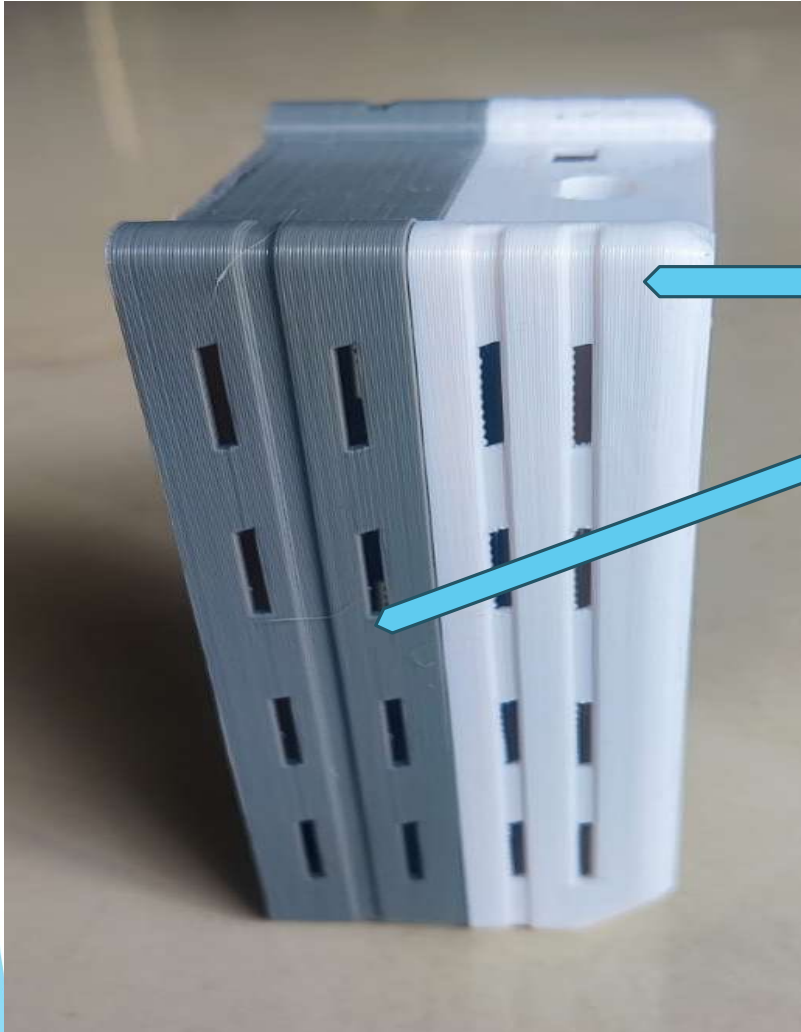
- Functional imperatives
- Enclosures must accommodate
- **Thermal**
- **Environmental**
- **Ergonomic needs**

MEETING SPECIFIC CUSTOMER REQUIREMENTS

- ▶ **Customer Requirement:**
- ▶ PCB Physical Fit & Integration
- ▶ Precise Dimensional Fit
- ▶ **Component Clearance:** Verify adequate clearance between components on the PCB and surrounding mechanical structures
- ▶ **Connector Alignment:** Confirm perfect alignment of all connectors with their mating parts on the enclosure or other boards

OUR ENGINEERING SOLUTION

- ▶ Developed a **specialized Number ABS enclosure design** to meticulously house and protect electronics
- ▶ Designed and precisely manufactured a **custom frame** for the required **Number alignment system**
- ▶ Integrated fittings for secure assembly and a **professional finish**
- ▶ **Included Standoffs & Spacers:** These are used to mechanically mount the two boards and maintain a precise, fixed distance between them.
- ▶ **Connection:** Electrically and mechanically linked to share power and data.
- ▶ **All design, development, and manufacturing of these parameters were completed within our comprehensive setup**



Involve stacking two PCBs into a single system


Space Efficiency: Vertical stacking for compact designs



- Design:** It features a two-part design with a grey base and a white lid that fits on top
- Ports:** There are cutouts on the front for connectivity, including what appears to be a **USB-C port** and a smaller slot, likely for an **LED status indicator**



- **Sleek, Stackable Design:** Our device features a modern, modular enclosure that allows you to expand its capabilities by simply stacking additional units
- **Engineered for Performance:** The integrated **ventilation slots** ensure optimal airflow, keeping the internal components cool and running at peak efficiency
- **Intuitive Status at a Glance:** The clean top panel includes **subtle LED indicators**, providing you with instant feedback on the device's status
- **Compact & Stylish:** With its minimalist two-tone design, this device is **compact enough to fit anywhere and stylish enough to complement any modern workspace**

A stack of white and grey plastic trays, likely used for laboratory or industrial purposes. The trays are stacked on a light-colored surface. The top tray is white and has several small circular indentations. The bottom tray is grey and has several rectangular slots. A light blue text box is overlaid on the top tray.

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- ▶ Thank You
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