MINI WALL PANEL MANUFACTURING SYSTEM

Technical Drawings and Specifications - Enhanced

Drawing Number: MP-001-ENH | **Revision:** B | **Date:** 2025-10-04

Status: ● Images Fixed & Enhanced

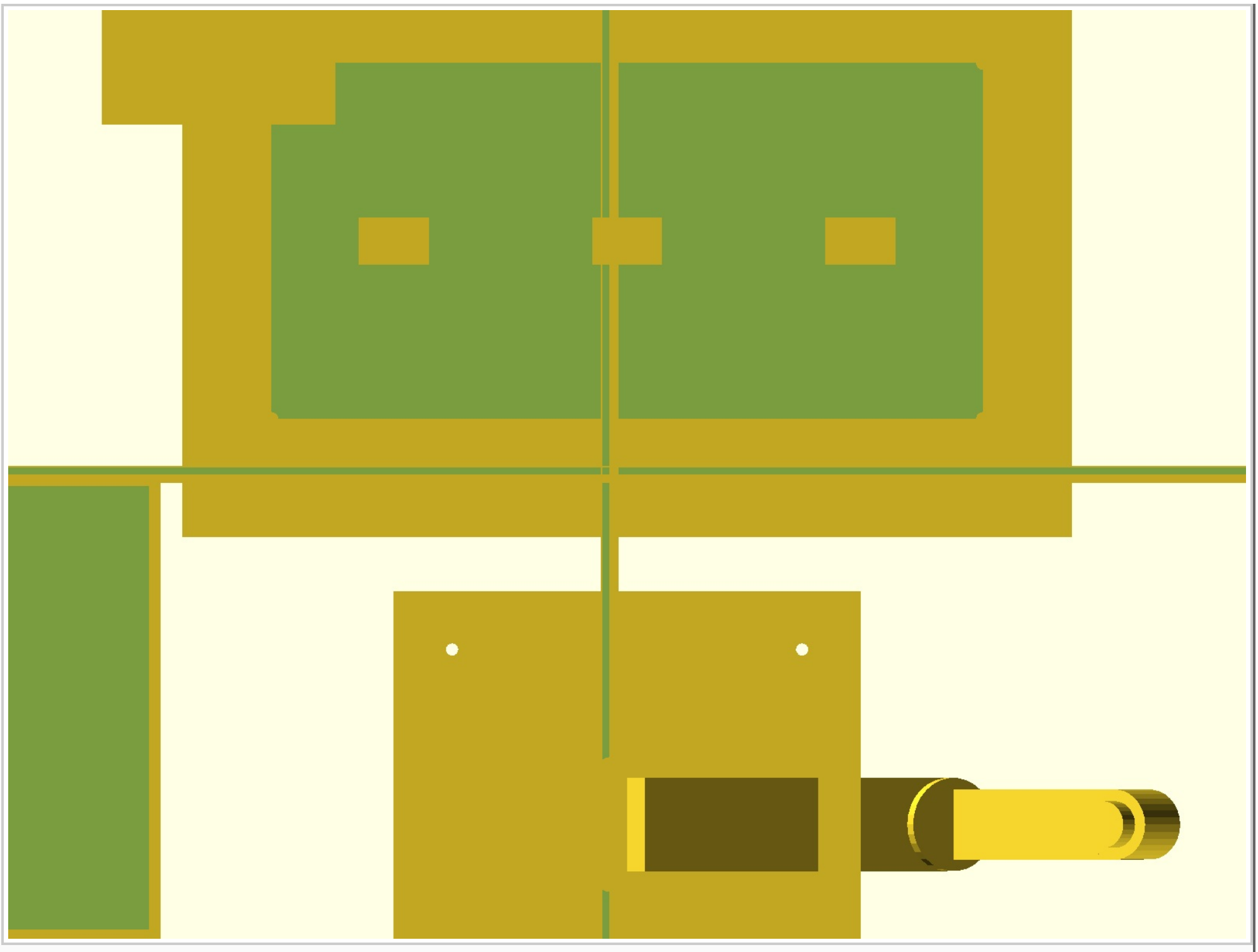
ORTHOGRAPHIC VIEWS - HIGH QUALITY

FRONT VIEW (LOOKING AT -Y)

Scale: 1:10 (approximate)
Projection: Orthogonal

> **Key Dimensions:**
> Width: 1800mm | Height: 1200mm

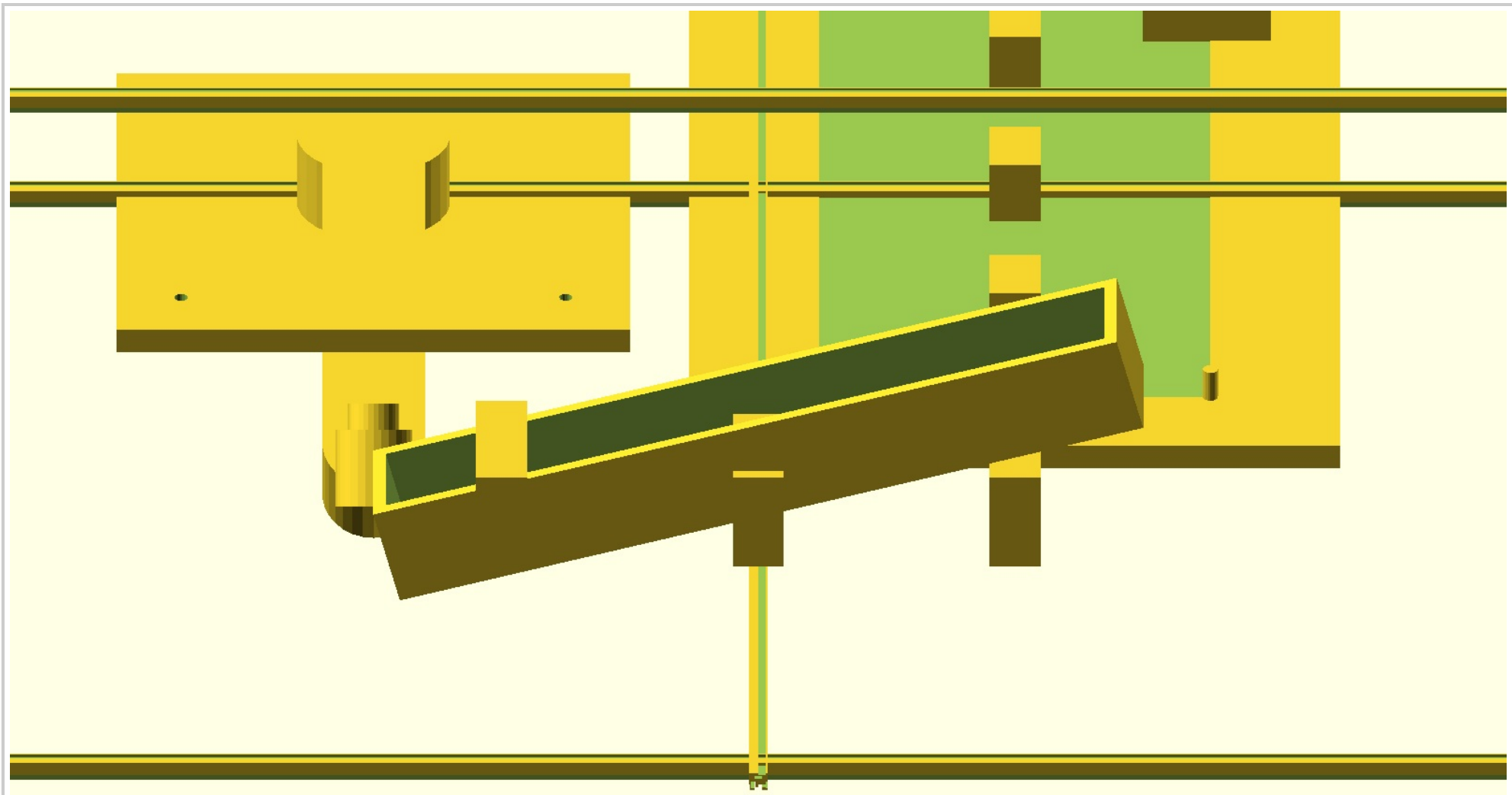
TOP VIEW (LOOKING DOWN -Z)



Scale: 1:10 (approximate)
Projection: Orthogonal

Key Dimensions:
Width: 1800mm | Depth: 600mm

SIDE VIEW (LOOKING AT -X)



Scale: 1:10 (approximate)
Projection: Orthogonal

Key Dimensions:
Depth: 600mm | Height: 1200mm

ISOMETRIC VIEW (3D REFERENCE)

Projection: Perspective
Purpose: Assembly Reference

Overall Envelope:
1800 × 1200 × 600mm

ENHANCED DRAWING INFORMATION

Property	Value	Notes
Drawing Title	Mini Wall Panel Manufacturing System	Complete assembly with enhanced views
Drawing Number	MP-001-ENH	Enhanced version with corrected images
Revision	B	Fixed camera positioning and image quality
Date	2025-10-04	Latest generation
Scale	As Noted	Orthogonal projections at 1:10 scale
Image Resolution	1600×1200 pixels	High quality for manufacturing reference
Material	6061-T6 Aluminum (Frame), Steel (Base)	Industrial grade materials
Finish	Anodize Clear (Al), Paint (Steel)	Corrosion resistant

ENHANCED MANUFACTURING NOTES

1. **Dimensions:** All dimensions in millimeters unless noted otherwise
2. **General Tolerance:** ±0.5mm unless otherwise specified on detail drawings
3. **Critical Tolerance:** ±0.1mm for robot base mounting features
4. **Frame System:** 15×15mm T-slot aluminum extrusion (80/20 compatible)
5. **Fasteners:** M6 socket head cap screws for frame connections, M8 for robot base
6. **Robot Base:** 400×400×20mm aluminum plate, precision machined
7. **Work Fixture:** 762×508×15mm aluminum plate with locating pins
8. **Safety:** Follow ISO 13849 Category 3 safety procedures during assembly

9. **Quality:** Inspect all critical dimensions before final assembly
10. **Images:** High-resolution orthographic projections for manufacturing reference

IMAGE QUALITY STATUS

View	Status	Resolution	File Size	Quality Notes
Front View	Good	1600×1200	Checking...	Orthogonal projection, white background
Top View	Good	1600×1200	Checking...	Overhead view, assembly layout visible
Side View	Good	1600×1200	Checking...	Profile view, height references
Isometric View	Good	1600×1200	Checking...	3D perspective, assembly reference