

# 3D Printer User Manual

## ProtoLab PRO-554

Printer Type: FDM

Target User: Industrial

### 1. Safety Instructions

Always operate your 3D printer in a well-ventilated area. Avoid touching heated parts during or after printing. Keep the printer out of reach of children. Follow all setup procedures as described.

### 2. Setup & Assembly

This printer comes as: Semi-kit. Assembly typically takes 15-60 minutes. Ensure all components are included in the box. Use a level surface and connect power only after full assembly.

### 3. Printing Guide

Use supported slicers like Cura. Load filament/resin type: PLA, PETG. Recommended layer height: 0.22 - 0.32 mm. Print via: USB, SD Card.

### 4. Maintenance & Care

Clean the nozzle regularly, keep the bed level, and ensure firmware is up to date. For resin printers, clean the vat after each print.

### 5. Technical Specifications

Build Volume: 190x281x308 mm

Nozzle Diameter: 0.4 mm

Max Print Speed: 127 mm/s

Heated Bed: Yes (Max Temp: 72°C)

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Firmware: Custom

Certifications: FCC, CE

Warranty: 2 years