Mono3MZ2 -

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Tool Type: Multi-Wavelengths
Location: Oasys 400
Manufacturer: MonoPrinter
Principal Scientist
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The **MONO3MZ2** is a research-grade DLP (Digital Light Processing) 3D printer that focuses on high-resolution, multi-wavelength printing.

While the “VZ” model you looked at previously is often configured for “Extreme High Intensity,” the MZ is the standard multi-wavelength workhorse of the Mono3 series. It is specifically designed for material science, allowing researchers to trigger different chemical reactions within the same print using various light wavelengths. Core Capabilities

Multi-Wavelength Light Engine: The printer supports three versatile lighting configurations: dual-

wavelength UV (365/405 nm) or hybrid UV-Visible modes, combining either 365 nm or 405 nm with RGB output..

Technical Specifications XY Resolution: Variable between 30 µm and 70 µm.

Z-Precision: Highly precise motor-driven movement with 5 µm increments. **Build Volume:** 134 x 76 x 125 mm (Total volume of 1.27 Liters).

Light Intensity: Generally ranges between 10 – 30 mW/cm².

Detailed Specifications

LED intensity

Manuals

Assembly and First Print

Film Replacement

Job File Structure

Power Measurement

Multi-color-grayscale slicing

Printer Firmware

Safety Concerns

Read the manufactures manual before first use. If the Mono3VZ2 acts in a way that is not described by the manual, turn off the printer and contact the principal scientist as well as Mono at info@monoprinter.com .

- Never place your finger near the machine until all parts have stopped moving. Moving parts can cause serious injury.
- Never clean or service the printer while it is on.
- The printer uses different LEDS. Never look directly at LED light nor expose skin. Serious injury may result from exposure.

- Disassembling the printer may cause an electric shock or damage to the instrument. Do not disassemble any parts of the printer not mentioned in the instruction manual.
