

# Mono3MZ2 -

## Mono3MZ2



**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  $\mu\text{m}$  and 70  $\mu\text{m}$ .

**Z-Precision:** Highly precise motor-driven movement with 5  $\mu\text{m}$  increments. **Build Volume:** 134 x 76 x 125 mm (Total volume of 1.27 Liters).

**Light Intensity:** Generally ranges between 10 – 30 mW/cm<sup>2</sup>.

## Detailed Specifications

### LED intensity



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## Manuals

Mono3MZ2 firmware

Job Structure

Multi-color grayscale slicing

Set up and alingment

System Reports

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## 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](mailto: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.

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