Mono3Z2 - Panchromatic Printer

Mono3MZ2
Tool Type: Panchromatic Printer
Location: Elings Hall 2417
Manufacturer: MonoPrinter
Principal Scientist
Juan Manuel Urueña
jmuruena@ucsb.edu

About

The Mono3MZ2 panchromatic printer is a visible light printer that uses five different LED sources (365 nm (UV), 405 nm (violet), 460 nm (blue), 520 - 550 nm (green), and 620 nm (red)) to print objects from 3D models. This printer can use two different LEDs at the same time to create multilateral objects using panchromatic photopolymer resins. This range of wavelengths can improve biocompatibility, enables a greater penetration depth, and reduces scattering.

Detailed Specifications

LED intensity

Manuals

MonoWare Job File Structure

MONO3Z2 (2CH) Initial Assembly & Alignment

MONO3Z4 (4CH) Initial Assembly & Alignment

MONO3Z Series Printer Firmware

Mono3Z First Printing

MONO3Z2 LED Swapping

MONO3Z4 (4CH) Printing File

MONO3Z2 (2CH) Wiper & Heater

Safety Concerns

Read the manufactures manual before first use. If the Mono3Z2 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.