



Instrument Description

Sub Folder: Prototyping



3D Printer: Elegoo Mars 2 Pro

Principle:

The Elegoo Mars 2 Pro is an MSLA (masked stereo lithography) 3D printer that uses ultraviolet (UV) light to cure a polymer resin. The system has a build volume of 129mm (L) x 80mm (W) x 160mm (H). The resolution in the XY direction is 50micron and 10micron in the Z direction.

The system is used in conjunction with SolidWorks to design components in-house or to modify customer CAD files for printing.

Current model:

The Elegoo Mars 2 Pro is an extremely flexible system capable of producing highly complex and intricate parts. A wide range of resin systems are available for multiple applications.

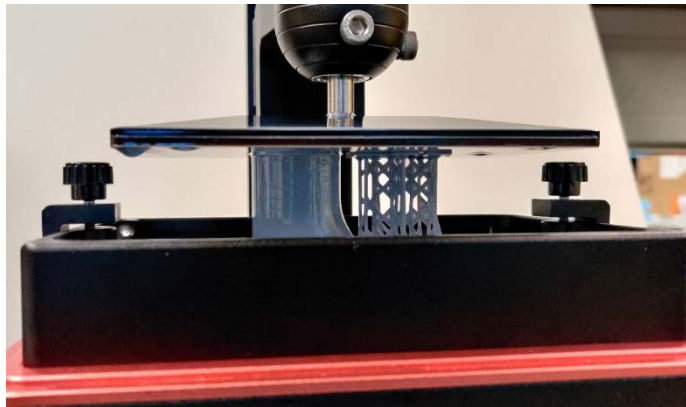


Figure 1: Elegoo Mars 2 Pro.

Typical samples / components:

The 3D printer is used to prepare bespoke fittings & fixtures to enable analysis & testing of customer samples.

Standards:

Models are designed to customer/research requirements.



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