



mUve 3D DLP Maker/UltiPro Printers

OPEN-SOURCE DIY AND PREASSEMBLED, FULLY ADJUSTABLE 3D PRINTING SOLUTIONS

Our Maker/UltiPro series of 3D printers are offered in kit and preassembled formats. These aluminum extrusion chassis based systems are highly adjustable. The adjustable sliding internal systems allow for mounting of almost any width reservoir and build plate. We currently offer a standard and large format reservoir and build plate system. Choose the UltiPro Max system and get both build systems included. These systems are always upgradable and offer more options than any other 3D printer in our lineup. It can even be upgraded to our new 4K platform!

All our systems are open to use a range of software though we've always recommended nanoDLP. It's a feature rich system that runs on PC, but also small systems like the Raspberry Pi. We utilize the powerful Raspberry Pi 3 to provide a truly stand-alone experience. Simply attach the RPi 3 to your local wired or wireless computer network and access the printer from any available device with network connectivity and a web browser. You can even use the cloud dashboard to check on your system from anywhere you have web access.



DLP MAKER/ULTIPRO MODELS FEATURE:

- HIGH STRENGTH ALUMINUM CHASSIS
- LOW COST KITS OR PREASSEMBLED
- LARGE ADJUSTABLE PRINT AREA
- ADJUSTABLE PRINT RESOLUTION
- SUPPORTS ALL DLP RESINS
- LONG LASTING PRINT SURFACE
- CLOUD BASED PROGRESS INFO
- NO COMPUTER REQUIRED
- OPEN HARDWARE AND SOFTWARE
- OPTIONAL PRINT RCRD/TIMELAPSE

DIY AND PREBUILT get printing at any level

ADJUSTABLE HARDWARE

With an adjustable projector mount system and adjustable projector, you can adjust your X/Y print resolution to suit your project needs. Choose a large print area with lower X/Y resolution, or a smaller print area with a higher X/Y resolution. We even offer additional lenses that increase print resolution to 25 microns and below. These simple add on lenses give the projector a smaller output while also increasing the range of focus on the smaller scale.

- Maximum build area of 152mm x 270mm x 250mm Z @141 micron using large reservoir and build plate
- Maximum X/Y print resolution ~25 microns with lensing
- Swappable high-performance or high-durability reservoir base plates
- Removable projector hot-mirror doubles UV performance and cuts print speeds in half

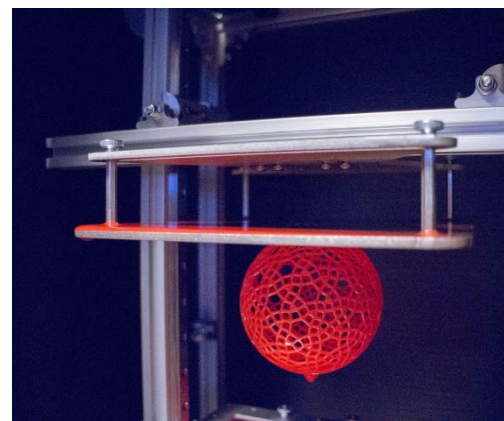
USE ANY PRINTING RESIN

When you choose the pre-calibrated printer, or remove your projector hot mirror on self-finished models you gain more than just print speed. You also open the UV spectrum that is provided by the projectors' mercury vapor light source. You'll be able to choose printing resins that cure at ranges from ~300nm to up over 700nm!

KIT AND PREASSEMBLED 3D PRINTER SYSTEMS THAT ARE HIGHLY ADJUSTABLE FOR A RANGE OF BUILD PLATE AND RESERVOIR SIZES

ADJUSTABLE SOFTWARE

nanoDLP software is fully customizable, from output resolutions as high as 4k or 8K, to adding part support material, part hollowing, infill, even pixel dimming, anti-aliasing, and barrel distortion correction for situations where heavy lensing and ultra-high resolutions require some software correction for best performance. Anti-aliasing and pixel dimming ensure the highest print quality along with an easier setup experience than most DLP machines on the market. nanoDLP even has built-in display/print calibration tools.



- nanoDLP is free to use and distribute
- Adjustable resolution in microns for both X and Y axis
- Advanced Anti-Aliasing and Pixel Dimming options
- Barrel Distortion Correction for aggressive lensing
- Fully adjustable print output, cure time, peel speeds, ...
- Full I/O control, internal functions, programmatic math
- Self-monitoring system with auto updates!



OPEN HARDWARE, FREE SOFTWARE

More open and adjustable than any other SLA 3D printer on the market. Our machines can be customized to any need, and environment. Open hardware means we share the CAD designs. Now nothing can get in the way of you having the perfect SLA printer. Free software means no sneaky recurring costs.



UNTETHERED PRINTING

Onboard model storage, slicing, and project management means your printer won't require a dedicated PC, in-fact our machines are some of the most convenient and least impactful to established work environments. Universal web browser access means it's up to you how you operate your printer.



OPTIONAL TABLET PC

By enabling your nanoDLP Cloud Dashboard you allow yourself to access to your printer anywhere you are in the world. If you'd prefer a dedicated control device for your printer we can offer a tablet mount and tablet PC with your system to simplify your setup and ensure you always have a device available to manage or check printer progress.

