# Accounts

https://cults3d.com/

jdumonceaux@gmail.com

vxFie5n\*E2+2w/.

https://www.patreon.com/c/FlexiFactory/posts/

(Google Id)

# Want

VOXELAB PETG-CF Marsala

PETG --Grass Green

<https://www.amazon.com/OVERTURE-Filament-Consumables-Dimensional-Accuracy/dp/B0991YSBDG?ref_=ast_sto_dp&th=1>

Overture – Rock PLA: Sedimentary

**Matte Lavender**

<https://overture3d.com/products/overture-pla-professional-filament?variant=42989348454654>

# Explore

* Blender
* Random Flow
* Nomad Sculpt
* Color Lithos - <https://itslitho.com/>
* 3d Print Bunny - Weaving
* Fusion 360 AddIns
* Voronoi Patterns
* FullControl - GCode
* ToolsToday – Directional Cutter
* Presupport pieces
* Cheap Photo Studio using art board
* Electoplating: https://all3dp.com/1/electroplating-3d-prints-all-you-need-to-know/
* Gyroid: https://all3dp.com/1/gyroid-lattices-in-3d-printing-the-ultimate-guide/

# Software

* Hueforge
* Blender
* Nomad Sculpt
* Meshmixer - Autodesk - fixing

# Projects

* Build Plate Removal/Insertion Accessibility Tool https://makerworld.com/en/models/566372#profileId-486048
* Olaf nut tray
* Edge guide
* Dummy 13
* [www.haxanthrobo.com](http://www.haxanthrobo.com/)  - Tiki Drumming Trio
* Computer plate
* Tool drawers
* Helical rack drive
* Wireless LEDs
* US Flag
* Nutcrakers
* Art Deco patterns
* parametric (sealed) box
* Fish tank
* Advent calendar
* Fulv - Castles
* Gnomes - Herb Markers
* Socket Holders
* Labels
* Router Bits holder
* Screwdriving Bits holder
* Labels
* Drill bits holder
* Clear Resin Bowl – Fruit Loops , M&M, Crayons, Flowers, Hidden Mickeys
* MiniWorld3d – Mpls Landscapes
* Christmas Cards
* Multi-color
* MoonCity from Printables
* Disney – Pirates scene
* <https://www.myminifactory.com/users/Clockspring>
* Thang010146 – Youtube
* Heat gun
* Gnomes – water spouts
* Mobile
* Inserts
* DTF transfer sheets
* Foam
* Two color
* Cherry tree surface
* Greek surface
* 3d printed chocolate articulated animals
* Mould for slumping glass
* Letter Libraries - <https://www.etsy.com/shop/nappibysony/?etsrc=sdt>
* 3d wall textures <https://www.3dwall.com.tr/en/>
* Laser engrave dishtowels
* Bambu bright green and black
* Twist lock box <https://makerworld.com/en/models/827394#profileId-771212>
* Inno Print <https://www.etsy.com/listing/1842359337/fragrance-vase-fragrance-diffuser-3d?click_key=3c45a09a86804cf30b00db87928d41248d0d56ac%3A1842359337&click_sum=bfdc55af&ref=shop_home_active_15&pro=1&sts=1>
* \*\*\* <https://www.amanita-labs.com/en-us/collections/pla> Unique, organic designs
* Rose Bear <https://makerworld.com/en/models/152175#profileId-166102>
* Disney Merry Christmas
* https://makerworld.com/en/models/847496?from=search#profileId-794834
* AMS Numbers <https://makerworld.com/en/models/763327#profileId-698247>
* String christmastree <https://makerworld.com/en/models/190922#profileId-745669>
* Windspinner <https://cults3d.com/en/3d-model/art/windspinner>
* \*\*\*\* PILL CASE <https://makerworld.com/en/models/746386#profileId-679490>
* Build plate holder <https://makerworld.com/en/models/182472?from=search#profileId-201012>
* Bag Vase: <https://cults3d.com/en/3d-model/home/bag-vase-free>
* Phone Stand <https://www.printables.com/model/744539-phone-stand>
* Scissor lift: <https://makerworld.com/en/search/models?keyword=469065>
* <https://makerworld.com/en/models/926850#profileId-889968>
* Bolt box: <https://makerworld.com/en/models/921137#profileId-883223>
* TWIST LOCK BOX: <https://makerworld.com/en/models/827394#profileId-771212>
* Knitted Elephant: <https://makerworld.com/en/models/972723?from=recommend#profileId-944777>
* Nozzle wiper tray: <https://makerworld.com/en/models/842821?from=recommend#profileId-789381>
* PTFE Guide: <https://makerworld.com/en/models/824080?from=recommend#profileId-768271>
* Multi-color boxes: <https://makerworld.com/en/models/889375?from=recommend#profileId-845480>
* Soft Inlay: <https://www.tiktok.com/@jamsconesdesign/video/7458200601772543264?_r=1&_t=ZT-8szIzuO6fKU>
* The Wave: <https://ohrdesign.ca/products/stl-file>
* Taco Bell Bag: <https://www.printables.com/model/159780-taco-bell-bag-vase-mode>
* Tool Box Station: <https://cults3d.com/en/3d-model/tool/tool-box-station-denstasis>
* Santa with Green and gold detailed long coat
* 3D Printed Voronoi Tree
* Mid century modern with Atomic designs
* Ukraniane Easter Eggs
* Etched eggs
* Sgraffito designs
* Spirograph string art
* Balloon Art prints
* https://www.etsy.com/listing/1799455462/the-vori-planter-pot-stl-3d-print-file
* https://www.etsy.com/listing/1804021568/the-vori-vase-stl-3d-print-file-digital
* https://www.etsy.com/shop/MODERNMACHINE
* https://www.etsy.com/listing/1734558679/3d-deer-print-file-3d-cute-deer-stl-deer
* https://www.etsy.com/shop/Umay3D
* https://www.etsy.com/listing/1602809452/3d-we-wish-you-a-merry-christmas-tree
* https://www.etsy.com/listing/1743730985/3d-balloon-dog-decorcute-modern-home
* https://www.etsy.com/listing/1810546860/grinch-santa-figure-high-quality-stl
* https://www.etsy.com/listing/1662559070/cat-in-voronoi-style-stl-digital-file
* https://www.etsy.com/shop/Rivne3DArt
* https://www.etsy.com/listing/1803118666/christmas-ribbon-vase-modern-home-decor
* \*\*\*\* https://www.etsy.com/shop/Decorartor3DStore Decorartor3DStore Ekaterina Mamykina
* https://www.etsy.com/listing/1447791674/mickey-mouse-3d-stl-file-full-version
* Tiki Glasses: https://cults3d.com/en/tags/tiki?page=2&srsltid=AfmBOoq2O84cgYv4xgOgmXusadNdCVy4XRXbSr-lRnxcZTLN3hqQEzkP
* Shag in 3d
* https://cults3d.com/en/3d-model/art/easter-island-idol
* Gnome Vase for Adorable Christmas Home Decor https://www.thingiverse.com/thing:6860007
* Snowlit Vase for Christmas Decor https://www.thingiverse.com/thing:6849292
* Poinsettia Vase for Winter Decor https://www.thingiverse.com/thing:6845653
* Scan and model Wizard candles
* Disney : https://www.etsy.com/shop/MainStreetMiniatures
* https://www.cgtrader.com/designers/3dmodleremon
* https://www.cgtrader.com/3d-print-models/art/sculptures/hitchhiking-ghosts-in-doom-buggy-the-haunted-mansion
* https://www.cgtrader.com/3d-print-models/art/sculptures/hitchhiking-ghosts-haunted-mansion
* Voronoi: https://cults3d.com/en/tags/voronoi?srsltid=AfmBOoqhfRz5csvnrb57wc4lWLeutQAM2-XGs44ASRwyzf\_spuWIP4BY
* Botticelli Birth of Kermit
* Haunted House Ghosts: <https://www.yeggi.com/q/disney+haunted+mansion/>
* Transforming Fidget ball by macjfil / Amolen Matte PLA Sunset rainbow
* Polar bears @matmire\_makes
* Wrapping paper cutter
* B&V Design
* https://makerworld.com/en/models/829513#profileId-773659
* Orange filament
* 3d print circle surface
* lawn mower
* laser cut leather
* slider platform
* paperbag christmas candles
* Safe from the rain : https://www.printables.com/model/563912-safe-from-the-rain
* PLA Silk Blue/Green
* Corruga square dish. Galaxy purple - Artist: Make Anything
* Felix grinch and max @printverse\_designs
* sugar scoop
* Cookie Cutters
* Airless basketball
* https://cults3d.com/en/3d-model/various/airless-basketball-double-lattice-wisdream-dudv2
* Scoop (bird seed) https://makerworld.com/en/models/568758
* Stackable crates:https://www.thingiverse.com/thing:6507705
* Build plate removal: https://makerworld.com/en/models/566372#profileId-486048
* A1 Enclosure

https://makerworld.com/en/models/486153?from=search#profileId-398821

* + https://www.amazon.com/Hygrometer-Humidity-Thermometer-Fahrenheit-Thermostat/dp/B0CXHS6CYS
  + https://www.amazon.com/SurpOxyLoc-10Packs-Dessicant-Packets-Moisture/dp/B09248XGVF
  + <https://www.amazon.com/Official-Filament-Four-Spool-Dehydrator-Compatible/dp/B0CRYDN5X9/ref=sr_1_1_sspa>
  + Twist container: <https://makerworld.com/en/models/451188?from=search#profileId-358213>

AMS Tools: https://makerworld.com/en/@eds\_3d\_shop

* AMS Lite Adapter
  + Bambu labs app
  + Sunlu AMS lite adapter ultimate version
* Glass cutting accessories
  + Grinding
* Sgraffito
* Air Tag Box
  + cr2032 dummy
  + <https://www.aliexpress.us/w/wholesale-cr2032-dummy.html>
  + Replace batteries –
  + Pill case starter: <https://makerworld.com/en/models/882238?from=search#profileId-836637>
* Cookie Cutters
* Christmas Tree stand
* Droids
* Beauty and the Beast curved drawer set
* Wine “box”: <https://thangs.com/designer/gazzaladra/3d-model/Wine%20Box%20%E2%80%9CMontagne%E2%80%9D-1217498>
* Waterdrop Vase: <https://thangs.com/designer/gazzaladra/3d-model/Vase%20%E2%80%9CWaterdrop%E2%80%9D-1055237>
* National Parks
* 3d Modelling – [womp.com](http://womp.com/)
* LeHaDesign – Pot : [than.gs/m/1244778](http://than.gs/m/1244778)
* Magnetic extruder cover – Licky Boy
* Makerworld 705632 – vase
* Makerworld 27319 – Skull

# A1 Mods

1. AMS lite spool holder lock [https://makerworld.com/en/models/536564](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbXd2SHRfVXVVbzNVODNBRnBiYnFCcUJsbGh0Z3xBQ3Jtc0tuU0lGRFRkX0laclhBM2hxb19ySzJJUGQ5WUplaWhzdEt3bS11enFGLUtkRHFMWEw0YmltY3hqbWcxVGdRX0NPY1RRMWFaUEU5dXN1NkNrX1N4bXU4YWhwdFQzcHlDWWNDd1IwYlY1NnpmWHo0Nl85Yw&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F536564&v=eJiXOYrH1Ow)
2. Spool holder (modular) https://makerworld.com/en/models/554905#profileId-473580
3. Spool Adaptor [https://makerworld.com/en/models/45428](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbFFBcUxKMUhtb0M0aW80eElKQ3ZkeDFaNUwxUXxBQ3Jtc0trX2dOWFRWMjN5VVJiT1M4Vm1uVmoxa3RGZVZJVGExSmFsNUlneHNNZUNIcl9wX19sNi1wcDg0YmJQdngwdGNtRjBDeTVHeVlrdnZsYlhFazl6SzV6eGxxQnRLeklBcXU3WDV6dEZSWUtydVM0ZkliUQ&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F45428&v=eJiXOYrH1Ow)
4. Sunlu AMS lite adapter https://makerworld.com/en/models/64741#profileId-71677
5. Poop Deflector [https://makerworld.com/en/models/123164](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqblhfd0Myc0lBOHNpVWEtaUN3WVFQbzhTNTJLZ3xBQ3Jtc0tsT1FibWJKVkxFZzBhMU1lLW1PQXVHRFlYTkM4czFFSEF3bGJMLTBjQ0tfLUlxQVJDVnJhN2JqNzRnMV9obDVDenFwZGRJNHA3SHlyckRjLS0tZlJpUmwxekJfN19PLS1ZRHNhb0xzbVpld2paM19QSQ&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F123164&v=eJiXOYrH1Ow)
6. Compact poop bucket <https://makerworld.com/en/models/451897>
7. Poop bucket + deflector https://makerworld.com/en/models/476584#profileId-387577
8. Cable conduit [https://makerworld.com/en/models/208664](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbnJPV1JsT18yU3ZzdHlPLVVQV19hd1poVDM3Z3xBQ3Jtc0tsUUowQUlwRlRoRm1URWRmNkhUdEVhSDZkMm9hblBFN1F5SkwwN0h3ZFpRalhJNnpoVURkNWJkZ1A3SWcyejBpdGNlYURoMk9Fcmp1V3JZY3JqZjRCTEpPRWZFaDR3RFE5VkZtemw5WVhpMndhekM1MA&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F208664&v=eJiXOYrH1Ow)
9. A1 Cable Guide <https://makerworld.com/en/models/533092#profileId-449944>
10. A1 Cable Guide (Strain Relief) https://makerworld.com/en/models/479610#profileId-391011
11. A1/A1 mini Cable elastic conduit <https://makerworld.com/en/models/208664#profileId-247933>
12. PTFE & Cable Guide for A1 series <https://makerworld.com/en/models/658962#profileId-587890>
13. AMS LITE HUB ARMOR FOR A1 https://makerworld.com/en/models/738533#profileId-670749
14. A1/A1 Mini Fan Cover <https://makerworld.com/en/models/64190#profileId-67290>
15. A1 Build Plate Aligner https://makerworld.com/en/models/124090#profileId-133700
16. A1 Screen Protector <https://makerworld.com/en/models/510135#profileId-426211>
17. Build Plate Caddy https://makerworld.com/en/models/75802#profileId-80382
18. Swatch Display Holder & Carousel <https://makerworld.com/en/models/137748#profileId-163232>

Spool Enclosure

1. Ultimate Filament Spool Enclosure for AMS Lite https://makerworld.com/en/models/486153#profileId-584752

Top Mount

1. Top Mount for AMS Lite [https://makerworld.com/en/models/92486](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqazF1Q2JTS2M1ekJFNFNlTERibjFpWW9Ta1pwZ3xBQ3Jtc0tuMlBua3hBcEFhOGJJWU9zYU1KSlhMWWF1bkxCMEhta0VwWlVmV1BUaGhKOEpSNzhtQzhLTFh2ZHNWMWhxWU5SM2dmcS00SzcyN3k2NVl6UjhFNy1GcUpOQkRGQ1BaU284OEgzZTlVN2tFcW5uYzk0OA&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F92486&v=eJiXOYrH1Ow)
   1. Needed hardware: [http://store.bambulab.com/products/am...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqazN1M0tCanhuX2FMN0NQTzRRNmdyRkw0UGZhQXxBQ3Jtc0tuemw4R2NETml6Rl9nVXJZNmRIRFNRMVlnWlluY3hpbE50R3FvWXlZc2pSbVpnNmk3QUlaVnNYRTRMdU40NDhEQUhIUXFvSmppdHdyN1NoQU9uQ2R6NFVEUF9wMXZETjQzd1E2VzhqNkpEbHZEUHNZMA&q=http%3A%2F%2Fstore.bambulab.com%2Fproducts%2Fams-lite-top-mount-screws-kit&v=eJiXOYrH1Ow)
   2. Screw Hole Covers (new release)
   3. <https://makerworld.com/en/models/721007>
2. A1 Top-side-mount Spool Holder with AMS Lite [https://makerworld.com/en/models/146508](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbGNuSHg0M3lvZ2JKYzJzV0VwZ0NUUWhweGhzd3xBQ3Jtc0trWWY0LU1uRDl6YmJtYTZES1lMRjJ6WGF3M3drQ0dMVXFOS1QwYjRXTkZyMGVVYWM4MmxrTUJ6SHpNSk1IV1NLNVV3RS1ZLVpqNVJOT2lUYWtqcUZpaHpLZVRCamZIdy1najNZUmZSUDNwMmNEVjRFYw&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F146508&v=eJiXOYrH1Ow)
3. Bambulab A1 spool holder desk stand https://makerworld.com/en/models/108329#profileId-115710

Tools/Tool Box

1. PTFE Tube Removal Tool [https://makerworld.com/en/models/684171](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqblE5LTU3b3JLYnB4ZzF3aTBldmJDQjFzRUJWZ3xBQ3Jtc0tsWGV6a1FuWmN1N09oeVJ0NTJ3Z0ExME9tYXdsdjlxamVhRWJHSUUtbElYWURQam5JTXVrR05aVTZMQXNxMzVCZHkxTzhNTUdoWnRHdzRxNlhCeS03RWFpWkoySnd5THdUaGM4R1EtaWlpT2NMTnphSQ&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F684171&v=eJiXOYrH1Ow)
2. EZ A1 PTFE Remover Tool https://makerworld.com/en/models/392785#profileId-294915
3. Bambu Accessory Box <https://makerworld.com/en/models/508656#profileId-424491>
4. A1 Toolbox - Print-in place [https://makerworld.com/en/models/639173](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqazI4dU9WQjF0YVJPZ295b1hxeHlkM2l6UVZNZ3xBQ3Jtc0trUVZDWUZORjRIMFJaalBlTkQwS1F1MkU1Z29WTm1nY2xjX2dNSzAwVGhEMGlLU25famZjVmRKS3lYakFEWXdaQVRkM3FwdktsWmtoYzVXV2tvVnJQWmlENjdJdmNNZ29IN0xndERuU0F2bFZfREtTaw&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F639173&v=eJiXOYrH1Ow)
5. Clean Tool A1 series [https://makerworld.com/en/models/663282](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa09VWTlnSXZuZ0ROZ2wzOGplNDd0dk5ZLWdTUXxBQ3Jtc0ttaXF1SDd2Vjd0MVR6RDN6eWR6bF9zU1JMRExNeGtYUGpodWJBZGZqZlZ5Qy1SaUdaT2hKZ0Q0ZTJsNC1xRHZIdHpwbzBQd0RONE9MUW41SGFzWTJMdWJ1MHpsb3VKUHBGTGpub1Z5cDdBbHk5Sjd0WQ&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F663282&v=eJiXOYrH1Ow)
6. Bambu Lab A1 Purge Wiper Fix [https://makerworld.com/en/models/4999...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbXpiRGtsNm5DLTllM2RGSVROSjgtM0RzX0FGQXxBQ3Jtc0trUlczSUcxZk51bEJfZ3VlNWhIczdRN1VERk1nM3d5T0p0YzNMLUtfVm9PZ3JWT2kyTVBOME1JMURXUVg4WEg0cXJhdlFQeG9WUTVpNFA4Zm5jWGpPMXZIcFNOUXpBVVVmTzVYR3hncVBjcmdpejUyRQ&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F49998%23profileId-51759&v=9nToDmedWaw)
7. Bambu Bed Scraper <https://makerworld.com/en/models/12703#profileId-12705>
8. Bambu Scraper Grip <https://makerworld.com/en/models/12702#profileId-12703>
9. A1 mini Toolkit Lube Clean https://makerworld.com/en/models/666874#profileId-598470
10. Hygrometer 4 Pack ➡️ [https://amzn.to/4eTLaES](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa2JVTS1TWHZ2RXJ1eXcxWkJlR3llYktUWmhOQXxBQ3Jtc0ttTUpBQTRXYjNXbHlpdTl0XzltaDBRRjNrNWkxc2NVamJxZng3VHpGM1dhcGJlUF9EOWs4RWxKdlM2OUVKdXNONVJkalIxQnVEdFYzV2pJNXZBYTJZSEhsUFk5WXZXWDJmdEZ1TUdCRXF5U2cyU3luaw&q=https%3A%2F%2Famzn.to%2F4eTLaES&v=m7fIwx4EW9U)
11. Remote Viewing Camera (Tapo C111): $16 on sale [https://amzn.to/3YEewC4](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa2FwTHhEaEpLTUNrQXJOY2ozTVpWVWZmaFlBZ3xBQ3Jtc0trTUptS0gwRjFaTjFaeFl5WVNjbURVQ2w3dzdENDgwSktidFFJWER3Zkt5emhsRUZJUHp0dVUxUloyMGRDYmd1WmRYVXFmeGdkZWhtN0E0QkwxaGpjOERyQzZkX19iYlkyX0RmV3JoQ3AxNVN4NnJhTQ&q=https%3A%2F%2Famzn.to%2F3YEewC4&v=eJiXOYrH1Ow)
12. Tapo C100/C110 A1 LCD Mount [https://makerworld.com/en/models/565480](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbk1XczAtT2l6eTNzcGZZczJJd1hCY3NnN1BrQXxBQ3Jtc0trS3JCcVJHV0pWQThzX1JSTkRFMTA3QTBmQmdCZDhxQlRqWjgtdEMyWkw4a25FWHBVT1p1enRDNkltYzZ3LXBuNHd4TDlXZzJlQ1hwMGxfa0lLVUU1MFBUVzA5RFBybFR5UEkwRzFxQWdoWG5mLTUxcw&q=https%3A%2F%2Fmakerworld.com%2Fen%2Fmodels%2F565480&v=eJiXOYrH1Ow)

# Designers

* Brandon Santana
* 3d print bunny
* @printverse\_designs - flexible toys
* FilamentStories
* Abstractia Design

https://makerworld.com/en/@dkdsgn

Modern, matte finish designs

Planters, clocks, holiday

* elleSTVDIO

<https://thangs.com/designer/elleSTVDIO>

Minimalist designs: Torque watering can, Trelix planter

* Decorartor

<https://thangs.com/designer/Decorartor>

Unique vases

* B&V Design
* https://makerworld.com/en/@layeredd

Clean, streamlined, designs

* https://makerworld.com/en/@h3li0

Nice surface patterns

* https://www.behance.net/franciscorossi?locale=en\_US

3D forms

* https://cults3d.com/en/users/Scale\_Auto\_Model\_Works/3d-models

3d Engines

* https://cults3d.com/en/users/LEZNAH0811/3d-models

Car wheels

* https://artlabs.ai/blog/best-3d-model-makers

Dress design

* All’factory43: <https://www.tiktok.com/@allfactory43/video/7449059700861160726>
* https://factoriandesigns.com/
* Jam3d
* Print.warrior
* Aronn Pozsar <https://makerworld.com/en/@layeredd>
* Bedlam Threadz <https://bedlamthreadz.com>
* <https://thangs.com/designer/LoftedGoods> - Planters
* <https://www.printhaus3d.com/> /// printhhaus3d tiktok shop

# Sources

* Printables - <https://www.printables.com/>
* Cults3D - <https://cults3d.com/>
* Cults3D (Cookie cutters) - <https://cults3d.com/en>
* Thingiverse
* My Mini Factory
* Pinshape
* Thangs
* 3DFindIT.com
* Free3D
* NIH 3D Print Exchange
* NASA
* Sketchfab
* 3DVIA
* ShapeDo
* 3D Hacker
* Sproutform
* 3D Content Central
* Fabster
* CookieCad
* All3DP (Cookie cutters) - <https://all3dp.com/>
* Planeprint
* GrabCAD - <https://grabcad.com/>
* GrabCAD (Jdumon… 5L) - <https://grabcad.com/>
* SketchUp's 3D Warehouse
* Etsy
* FlexiFactory
* MiniWorld3D
* Makerworld
* STLFinder - <https://www.stlfinder.com/>
* Yeggi

# Filament Settings

Import settings from Overture site into Bambu Studio

File > Import Config

PLA - indoor

PETG - outdoor

TPU - flexibility

PVA - Water soluble

PLA

Nozzle: 190-220 C

Bed Temp: 50 - 60 C

Print Speed: 50-70 mm/s

PLA+

Nozzle: 210 - 230

Bed Temp: 60 - 70

Print Speed: 50 - 60 mm/s - 40mm Slower for better quality

Retraction: 1.5 mm at 30 to 50 mm/s (prevent stringing)

Tree supports: Top z distance 0.2 - 0.3mm Bottom distance 0.2mm

Use dry box

Supports:

Snug setting

PLA – Silk

Nozzle: 200-220 C

Bed Temp: 60 C

Print Speed: 40-60 mm/s

PETG

Nozzle: 220-250 C

Bed Temp: 70-80 C

Print Speed: 40-60 mm/s

Retraction: .8-1.2mm at 30-50 mm/s

Tree supports: Top z distance 0.3mm

use PLA for supports

Glue sticks

Use dry box

ABS – (wear and tear)

Nozzle: 230-250 C

Bed Temp: 90-100 C

Print Speed: 40-60 mm/s

Enclosure recommended

TPU – (flexibility)

Nozzle: 210-230 C

Bed Temp: 40-60 C

Print Speed: 20-40 mm/s

Carbon Fiber PLA (strength)

Nozzle: 200-230 C

Bed Temp: 60 C

Print Speed: 40-60 mm/s

Hardened nozzle

Glow in the dark PLA

Nozzle: 200-220 C

Bed Temp: 60 C

Print Speed: 40-60 mm/s

# 3D Scanning

Maker World – Free

# Using Bambu Studio

1. View
   1. Othogonal – Otherwise it distorts your view
   2. Show labels
   3. Show overhangs
2. Preferences
3. Infill – Perhaps 5%?
4. Tree Auto 30%
5. Brim

# Cura

Slicing Software: stl to gcode

<https://ultimaker.com/software/ultimaker-cura>

Cura – most popular

Ultimaker account: jdumonceaux

AddOns:

Marketplace >

Settings Guide (Ghost Keeper)

Auto Towers Generator

Cura Orientation Plugin

# Creality Firmware Upgrade

03/26/2023

Firmware 2.0.8.26F4

Screen V1.0.3

HW CR-FDM-v24S1\_30

Print size 220 220 270

<https://www.youtube.com/watch?v=yu_99x7Z23g>

ARMz

STM32F401

RCT6

GQ24J VQ

CHN GQ 134

14

[https://github.com/mriscoc/Ender3V2S1](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbHlQblJZYVZUczlINzdPQTRUODIxWjNRbU53Z3xBQ3Jtc0tuRWxDMHBfcFRGNm53Z2JZM0dBenI1OV9CYy11NUMwZGN1U2pjY1dEZzVoeDR6NjRabXVfczVGR1lsU2RJck9keFM5SVcyU184cTVURnVSMzM2QW8ya1J2cUhjRFhjWW0tRTkxM245RU9uWmhxTmVhSQ&q=https%3A%2F%2Fgithub.com%2Fmriscoc%2FEnder3V2S1&v=yu_99x7Z23g)

<https://github.com/mriscoc/Ender3V2S1/releases/tag/20230312>

[Ender3S1-F4-20230312.bin](https://github.com/mriscoc/Ender3V2S1/releases/download/20230312/Ender3S1-F4-20230312.bin)

https://3dprinterly.com/how-to-update-the-firmware-on-an-ender-3-simple-guide/

You might need to change the filename. It must start with "firmware..." and end with ".bin" but the bootloader on some Creality boards requires that it be different from the running version. Easiest way is to rename it with the date or something similar included, eg "firmware1123.bin". If the update is successful, the filename will be changed to "firmware1123.CUR", indicating that it's the current version.

# Infill Patterns

Grid - most common

Rectilinear - Faster than grid, but not as strong

Gyroid - Flex

Triangles - Ridgid

Cubic - uniform support

Honeycomb/Hex - lightweight

Concentric - Flex

# Support Settings

1. Enabled
2. Tree(auto)
3. Style : default
4. Threshold angle 45
5. On build plate only
6. Remove small overhangs

Add support blocker

# G-Code

G-Code Q'n'dirty toolpath simulator

https://www.sharetechnote.com/html/Handbook\_MechanicalEngineering\_Tools\_GCode.html

# Raised letters

. Text shape > Impact > 8

. Thickness > 2.00

. Embedded > 1.00

. Add Text

Go to objects

. Add color

# Adding Images

. Select

. Modify

. Shrinkwrap modifier

. adjust offset

# Blender

LAmir.3D - Tutorials

Round:

Select object

Edit mode

Alt > select edge

Shift Alt S > slide cursor

Bevel

Ctrl B

P – change profile

Snap an object

Select object

Tab > edit mode

Select bottom face

Shift S .

# Tips

Bambu

* Print by Object vs. Print by Layer

Adding Threads: https://all3dp.com/1/how-to-thread-your-3d-printed-parts/

# Tutorials

* <https://www.youtube.com/watch?v=waR8yJ5hQ2c>
* <https://www.reddit.com/r/Fusion360/comments/1c2roco/how_to_achieve_this_design/>
* <https://forums.autodesk.com/t5/fusion-design-validate-document/regular-rib-pattern-on-irregular-curved-surface-body/td-p/12159545>
* <https://www.youtube.com/watch?v=jAGcxprr574>
* <https://www.google.com/imgres?q=fusion%20360%20create%20rib%20on%20cylinder&imgurl=https%3A%2F%2Fsupport.ntop.com%2Fhc%2Farticle_attachments%2F5968377152659%2FRemoved_Extra_Ribs.jpg&imgrefurl=https%3A%2F%2Fsupport.ntop.com%2Fhc%2Fen-us%2Farticles%2F1500008013301-Why-does-my-ribbed-lattice-have-extra-ribs&docid=qlLud1caPKMunM&tbnid=jLzTdcvQdhPjCM&vet=12ahUKEwjf4t7rn_iKAxUCMlkFHVu4N5kQM3oECCgQAA..i&w=1164&h=641&hcb=2&ved=2ahUKEwjf4t7rn_iKAxUCMlkFHVu4N5kQM3oECCgQAA>
* <https://www.google.com/imgres?q=fusion%20360%20create%20rib%20on%20cylinder&imgurl=https%3A%2F%2Fi.ytimg.com%2Fvi%2FaLJjl6wxDrQ%2Fsddefault.jpg&imgrefurl=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DaLJjl6wxDrQ&docid=T18ouLasRreW_M&tbnid=5wFZx_X3hpvMqM&vet=12ahUKEwjf4t7rn_iKAxUCMlkFHVu4N5kQM3oECDEQAA..i&w=640&h=480&hcb=2&ved=2ahUKEwjf4t7rn_iKAxUCMlkFHVu4N5kQM3oECDEQAA>
* <https://www.google.com/imgres?q=fusion%20360%20create%20rib%20on%20cylinder&imgurl=https%3A%2F%2Fi.ytimg.com%2Fvi%2FcSbyHOt5JP0%2Fmaxresdefault.jpg&imgrefurl=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DcSbyHOt5JP0&docid=1801J7VY1k2A_M&tbnid=Zy4xO2LdJLAReM&vet=12ahUKEwjf4t7rn_iKAxUCMlkFHVu4N5kQM3oECEEQAA..i&w=1280&h=720&hcb=2&ved=2ahUKEwjf4t7rn_iKAxUCMlkFHVu4N5kQM3oECEEQAA>
* <https://www.google.com/imgres?imgurl=https%3A%2F%2Fi.ytimg.com%2Fvi%2FwNVtLVF99cw%2Fmaxresdefault.jpg&tbnid=BLW24VhSnAF3BM&vet=12ahUKEwjHhPqspviKAxVJNlkFHWKqAvcQ1JoKKAJ6BAgAED4..i&imgrefurl=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DwNVtLVF99cw&docid=E_A454XdjGsjoM&w=1280&h=720&itg=1&q=fusion%20360%20create%20rib%20on%20cylinder&ved=2ahUKEwjHhPqspviKAxVJNlkFHWKqAvcQ1JoKKAJ6BAgAED4>
* <https://www.google.com/imgres?imgurl=https%3A%2F%2Fi.ytimg.com%2Fvi%2FAYbnTJxNODI%2Fmaxresdefault.jpg&tbnid=YmYN5jWuiiDRDM&vet=12ahUKEwjHhPqspviKAxVJNlkFHWKqAvcQ1JoKKAB6BAgAECI..i&imgrefurl=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DAYbnTJxNODI&docid=qxegOJsn3L1NtM&w=1280&h=720&itg=1&q=fusion%20360%20create%20rib%20on%20cylinder&ved=2ahUKEwjHhPqspviKAxVJNlkFHWKqAvcQ1JoKKAB6BAgAECI>
* <https://www.google.com/imgres?imgurl=https%3A%2F%2Fforums.autodesk.com%2Ft5%2Fimage%2Fserverpage%2Fimage-id%2F707715i2412236C1350DEB9%3Fv%3Dv2&tbnid=cW-6yGJoJAGMzM&vet=12ahUKEwjHhPqspviKAxVJNlkFHWKqAvcQxiAoBnoECAAQKg..i&imgrefurl=https%3A%2F%2Fforums.autodesk.com%2Ft5%2Ffusion-design-validate-document%2Fwhy-can-t-i-sketch-or-edit-on-curved-surfaces-like-a-cylinder%2Ftd-p%2F9200497&docid=FMjmkZkU3GW2KM&w=665&h=599&itg=1&q=fusion%20360%20create%20rib%20on%20cylinder&ved=2ahUKEwjHhPqspviKAxVJNlkFHWKqAvcQxiAoBnoECAAQKg>
* <https://www.google.com/imgres?imgurl=https%3A%2F%2Fpreview.redd.it%2Fis-this-possible-with-fusion-360-v0-x18p5rdw0wyd1.jpg%3Fwidth%3D640%26crop%3Dsmart%26auto%3Dwebp%26s%3Dcbe79a877cde81e2b3b19c5480fb31ff8c053858&tbnid=e3CqUkLh3gpMyM&vet=10CAYQxiAoBGoXChMIkLj9-p_4igMVAAAAAB0AAAAAEBc..i&imgrefurl=https%3A%2F%2Fwww.reddit.com%2Fr%2FFusion360%2Fcomments%2F1gjecxu%2Fis_this_possible_with_fusion_360%2F&docid=yhIphqS7YtUk-M&w=640&h=480&itg=1&q=fusion%20360%20create%20rib%20on%20cylinder&ved=0CAYQxiAoBGoXChMIkLj9-p_4igMVAAAAAB0AAAAAEBc>