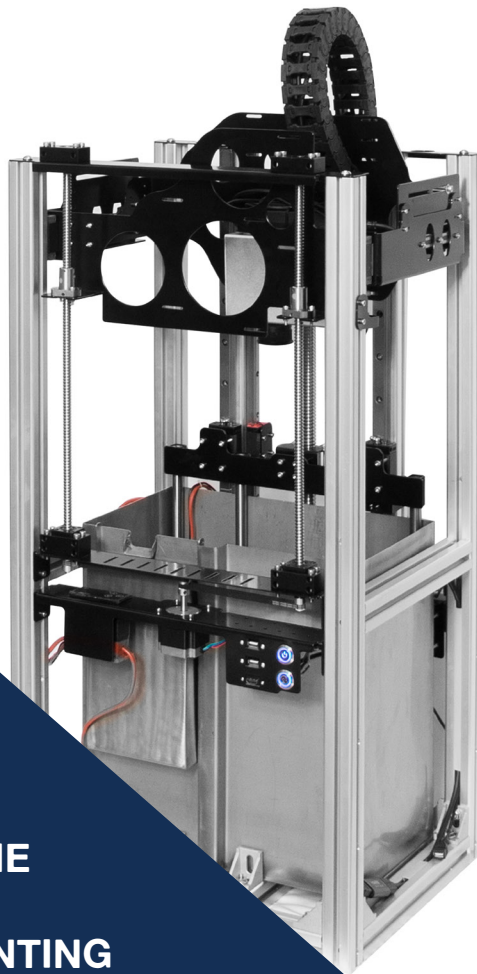




# GIZMO 3D PRINTERS

## 2021 BROCHURE



**FAIR PRICING**

**LESS DOWNTIME**

**FASTER 3D PRINTING**

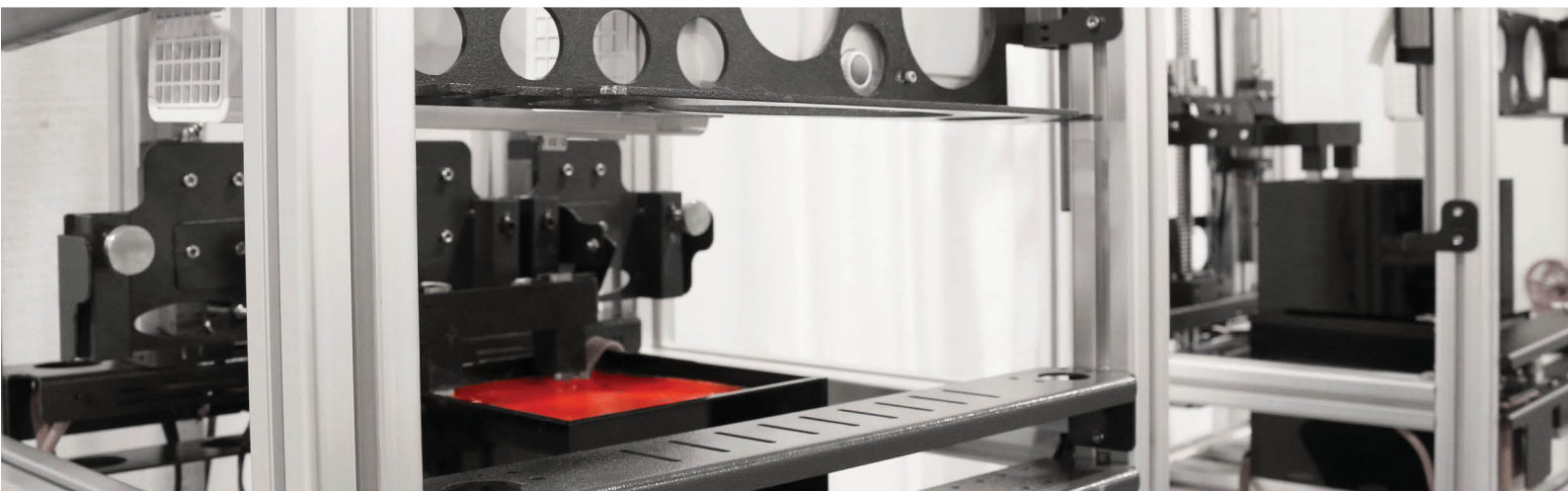
**NO REPLACEMENT PARTS**

**HIGH-RESOLUTION RESULTS**

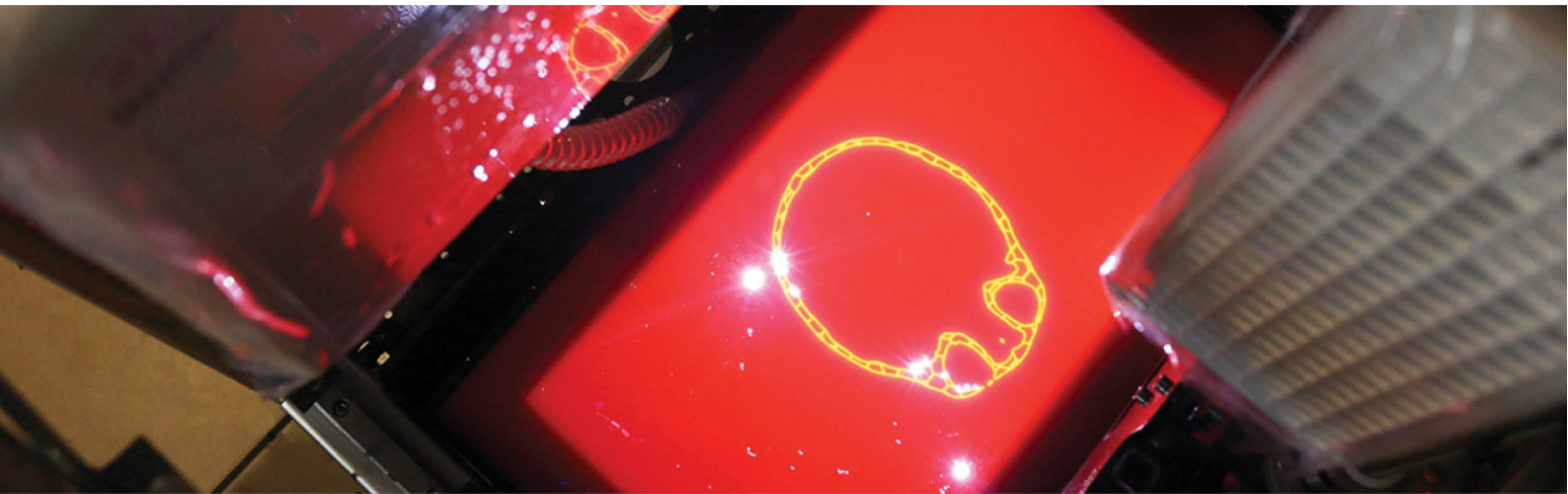
**PRINT CONSISTENCY & LOW FAILURE RATES**

**INTRODUCING THE WORLD'S FIRST  
SUPER SPEED TOP-DOWN SLA DLP 3D PRINTER**

**NOW FASTER AND BETTER WITH NEW UV PROJECTORS**



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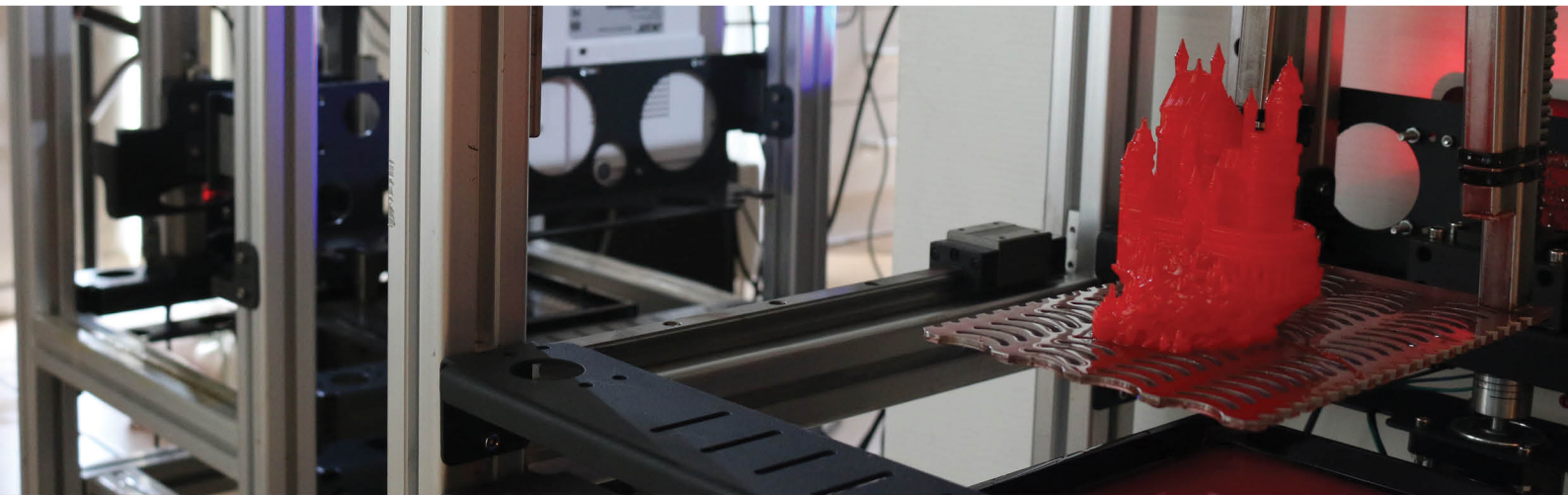


## GUARANTEED TO SAVE YOU TIME AND MONEY

- Breakthrough printing speed - printing up to 33 times faster than the average resin 3D printer
- Amazing resolution - up to 0.0 micron calculated
- Larger build volumes - up to a maximum build area of 400mm x 225mm (15. in x 8.8in) and build height of 800mm (31.49in)
- Low failure rate, consistent results and remote repeatability
- No replacement parts - no PDMS or Teflon layers, no sweeper
- Top-down 3D printing technology - not only is the printing fast, the process is much faster too:
  - It's fast to remove a print
  - The finished print sits on top of the build plate = no suction issues
- Highly reliable, made from quality parts
- Expandable – made to grow with your budget
- Resin prices from only US \$50 per litre
- Available from US \$8125 + shipping

**Print bigger volumes of high-resolution prints up to 33 times faster for cheaper using the industrial Gizmo 3D Printers.**

## HOW DOES IT WORK?



To get your print job underway, first import a .stl or .obj file to the *Gizmetor* software. Gizmetor then slices the 3D object into horizontal layers.

These layers are stored in a .gizmo file as 2D images, which are then opened in *GiziPrint* to print the object.

When you print, each layer is projected onto a bath of UV curable resin using a projector and builds the object, layer by layer. As each layer is printed, the build plate lowers incrementally from the top of the resin surface into the vat. The light from the projectors hardens these layers sequentially and then stacks them on top of each other to form the 3D object.

Gizmo 3D's unique technology suspends the object inside the liquid filled vat as it forms, minimizing the stress on the model during creation. Thus, fewer supports are required, resulting in a more exceptional level of detail. At the end of the print comes the big reveal, as the build plate lifts the object slowly out of the resin.

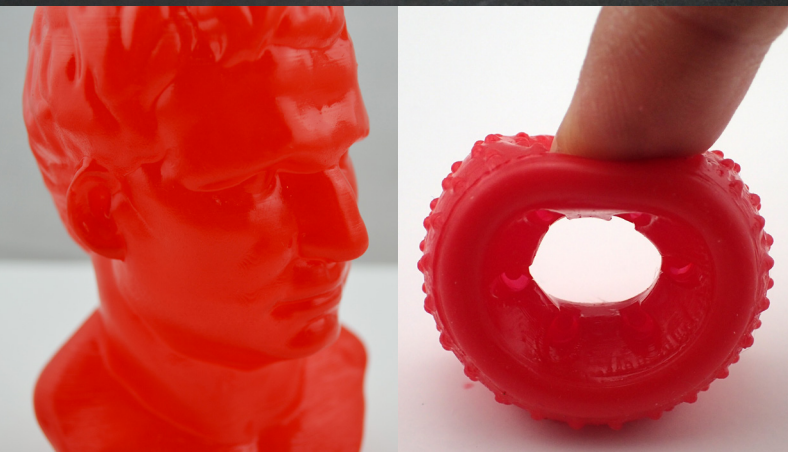
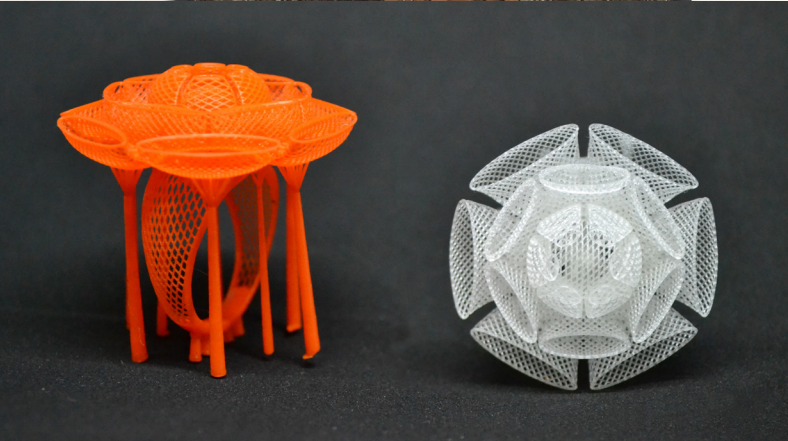
The software offers a variety of settings so you can experiment to achieve the level of print quality you need.

### **More about the Gizmo 3D Printers software Gizmetor**

The software runs on Java 15 64bit. We recommend an up to date graphics card and driver as the software uses 3D extensively.

*Gizmetor* includes cutting edge features such as full layer manipulation, which is the ability to select a particular layer within a print job, and specifying how you would like it printed (i.e. hollow, solid, detailed or faster).







## PRODUCT INFORMATION AND PRICES



The Gizmo 3D Printers are available in 3 different sizes:



**GiziMate**  
(small)

**Dimensions:**  
500mm x 430mm x 750mm  
(19.68in x 16.93in x 29.52in)

from only **US \$8125**



**GiziPro**  
(medium)

**Dimensions:**  
500mm x 430mm x 929.50mm  
(19.68in x 16.93in x 36.59in)

from only **US \$9335**



**GiziMax**  
(large)

**Dimensions:**  
500mm x 430mm x 1859mm  
(19.68in x 16.93in x 73.18in)

from only **US \$9935**

Find your ideal Gizmo 3D Printer and its estimated cost by  
following these four easy steps:

**STEP 1:**  
Choose  
your  
frame  
(page 7 - 8)

+

**STEP 2:**  
Choose  
your  
UV projector  
(page 8)

+

**STEP 3:**  
Choose  
your  
extras  
(page 9 - 10)

+

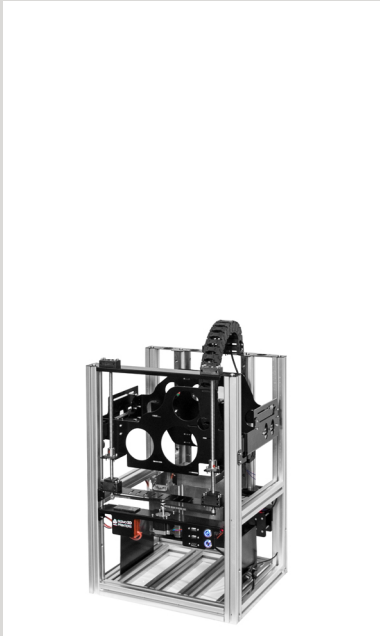
**STEP 4:**  
Add  
shipping  
cost  
(page 11)

## STEP 1: CHOOSE YOUR FRAME



Please note: The following prices exclude the UV projector.  
Refer to Appendix 1 (pages 15 – 23) for detailed specifications of each printer frame.

### GiziMate Frame Options



#### **GiziMate 130 US \$3625**

Build Height = 130mm (5.5in).  
Build Area = 200mm x 113mm (7.87in x 4.44in).  
No resin included. 7L resin needed to fill vat.

#### **GiziMate 260 US \$4275**

Build Height = 260mm (10.23in).  
Build Area = 200mm x 113mm (7.87in x 4.44in).  
No resin included. 10L resin needed to fill vat.

#### **GiziMate Xtreme US \$4325**

**(Widest vat and biggest build volume in the range)**

Build Height = 260mm (15.35in).  
Build height depends on build area.  
Build Area = 400mm x 225mm (15.7in x 8.8in).  
No resin included. 33L resin needed to fill vat.

### GiziPro Frame Options



#### **GiziPro 130 US \$4835**

Build Height = 130mm (5.5in).  
Build Area = 200mm x 113mm (7.87in x 4.44in).  
o resin included. 7L resin needed to fill vat.

#### **GiziPro 390 US \$5085**

Build Height = 390mm (15.35in).  
Build Area = 200mm x 113mm (7.87in x 4.44in).  
o resin included. 13L resin needed to fill vat.

#### **GiziPro Xtreme US \$5135**

**(Widest vat and biggest build volume in the range)**

Build Height = 390mm (15.35in).  
Build height depends on build area.  
Build Area = 400mm x 225mm (15.7in x 8.8in).  
No resin included. 50L resin needed to fill vat.

## GiziMax Frame Options



### **GiziMax 130** **US \$5435**

Build Height = 130mm (5.5in)  
 Build Area = 200mm x 113mm (7.87in x 4.44in).  
 No resin included. 7L resin needed to fill the vat.

### **GiziMax 430** **US \$5785**

Build Height = 430mm (31.49in).  
 Build Area = 200mm x 113mm (7.87in x 4.44in).  
 No resin included. 20L resin needed to fill the vat.

### **GiziMax Ultimate** **US \$6035**

**(Widest vat and biggest build volume in the range)**

Build Height = 800mm (31.49in).  
 Build height depends on build area.  
 Build Area = 400mm x 225mm (15.7in x 8.8in).  
 No resin included. 100L resin needed to fill the vat.

## **STEP 2: CHOOSE YOUR UV PROJECTOR**

### UV Projector Options

#### **Standard Intensity 1080P Small Area UV Projector (405nm)** **US \$4500**

This projector suits smaller, high-resolution prints best. Suited for printing parts that fit within a minimum projection size of 96mm x 54mm (3.77in x 2.12in) to a maximum size of 160mm x 90mm (6.29in x 3.54in).

#### **High Intensity 1080P Large Area UV Projector (405nm)** **US \$5000**

Great for printing large models faster and better. Suited for printed parts that fit within a minimum projection size of 192mm x 108mm (7.55in x 4.25in) to a maximum size of 400mm x 225mm (15.74in x 8.85in).

These new UV projectors print fast while delivering a high level of consistency and accuracy in detailed prints over the entire projection area. Refer to Appendix 2 (page 24) for detailed UV projector specifications.



## STEP 3: CHOOSE YOUR EXTRAS

### Various vat and build plate sizes

The Gizmo 3D printer frames come with vats and build plates, but you can purchase different sized vats and build plates additionally to suit your unique project needs.

*The following metal vat and build plate sizes are available to order:*

#### VATS

1. 85mm x 48mm x 50mm (Ring vat) **US \$180\***
2. 200mm x 113mm x 130mm **US \$200**
3. 200mm x 113mm x 260mm **US \$300**
4. 200mm x 113mm x 390mm **US \$350**
5. 200mm x 113mm x 430mm **US \$400**
6. 400mm x 225mm x 130mm **US \$300**
7. 400mm x 225mm x 260mm **US \$350**
8. 400mm x 225mm x 390mm **US \$400**
9. 400mm x 225mm x 430mm **US \$450**

#### BUILD PLATES

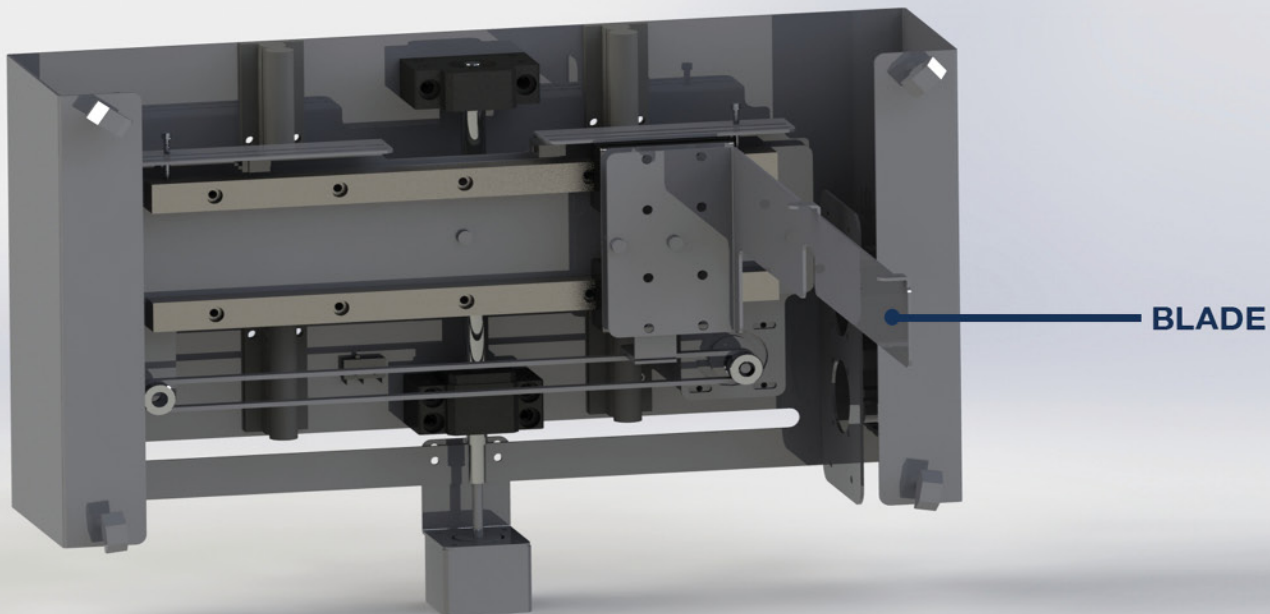
1. 85mm x 48mm x 50mm **US \$120\***
2. 200mm x 113mm x 130mm **US \$300**
3. 200mm x 113mm x 260mm **US \$300**
4. 200mm x 113mm x 390mm **US \$300**
5. 200mm x 113mm x 430mm **US \$300**
6. 400mm x 225mm x 130mm **US \$400**
7. 400mm x 225mm x 260mm **US \$400**
8. 400mm x 225mm x 390mm **US \$400**
9. 400mm x 225mm x 430mm **US \$400**

\* We highly recommend ordering it for testing resins or printing small items.

## WIPER/RECOATER ADD-ON



# GIZMO 3D PRINTERS



Using the recoater gives you the ability to print easier with thicker resins. Some resins such as the ceramic resin from Tethon 3D is thicker - a recoater helps to achieve more precise results with such resins. Also, if you are planning on printing box-shaped objects or objects with cavities, having a recoater is ideal.

During the printing process, a recoater aids in spreading the resin equally over the previously printed layer. Without the recoater, the resin might not flow to cover the entire area if needed.

**Get it now for **US \$800** + postage**

Once you've placed an order, you can expect to receive your recoater within 4 to 6 weeks. You will receive instructions for installing your recoater, which is easy to do and takes up to an hour max.

Then upgrade your Gizmetor software to include the brand new recoater settings and away you go! Your new recoater is made of quality steel and will last a long time.

### **FAQ:**

*Does the recoating process slow down the printing process?*

*Yes, using the recoater will decrease your print speed.*

*Does the recoater fit on any size Gizmo 3D Printer?*

The wiper system comes in two parts - the primary system and a blade. The primary system can be applied to any of our machines, but the blade is specific to individual size vats.

## Support

We offer professional and confidential one-on-one online support for **USD 100** per hour with one of our technical advisers.

Depending on availability, we can also offer in-person training and installation at your facility anywhere in the world. **POA**

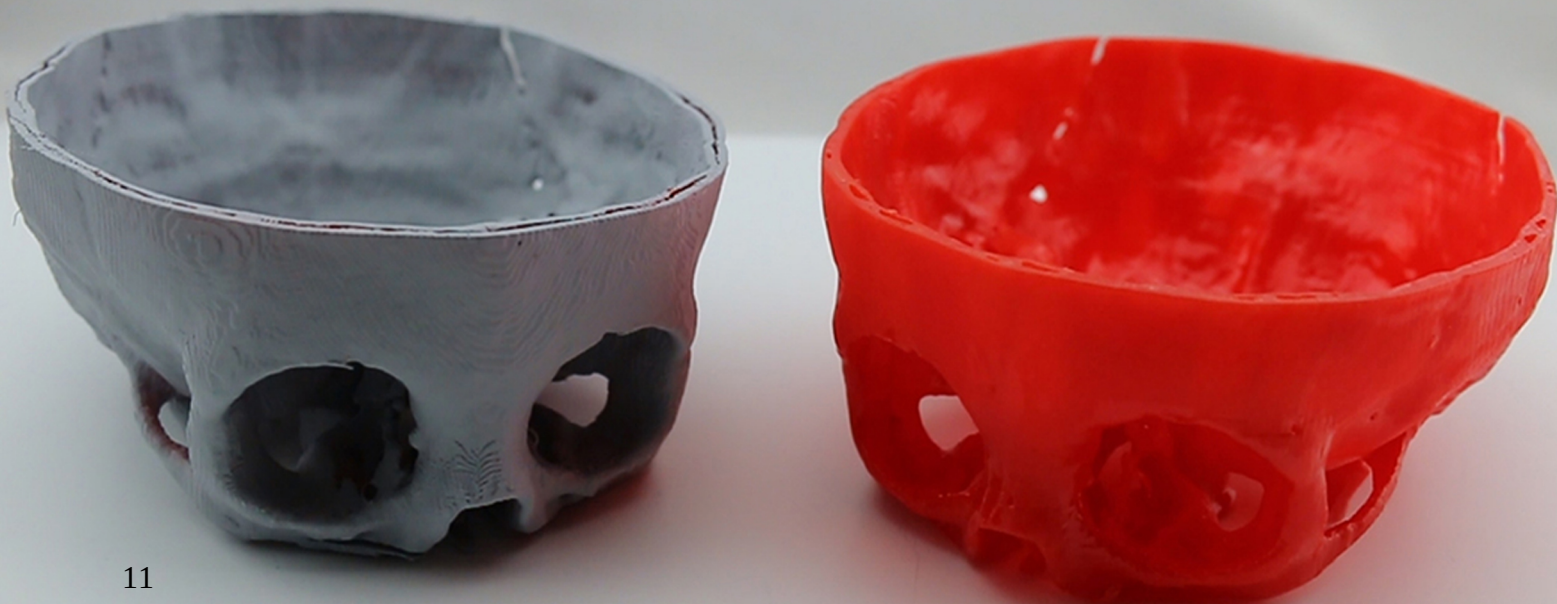
## Industrial Service Plan

- Priority service with expedited response times
- Rapid delivery of replacement parts
- We offer 100% one-year unlimited warranty on all parts and accessories, excluding the resin and projector lamp

All this for **20%** of the price of the printer you purchase.

## Delivery Times

You can expect your printer/s to arrive within 1 to 2 months from the time you place an order, depending on what we have in stock.





## STEP 4: ADD THE SHIPPING COST



The shipping cost varies between countries.

COUNTRY	ESTIMATED SHIPPING COST OF PRINTERS			
	GiziMate	GiziPro	GiziMax	GiziMax Ultimate
Australia	US \$350	US \$550	US \$1000	US \$1200
New Zealand	US \$435	US \$480	US \$680	US \$880
North America	US \$750	US \$880	US \$1360	US \$1560
South America	US \$850	US \$1000	US \$1570	US \$1770
Asia	US \$650	US \$750	US \$1140	US \$1340
Africa	US \$850	US \$1000	US \$1570	US \$1770
Europe	US \$650	US \$750	US \$1140	US \$1340

**Note:** The pricing on this page may not be the exact pricing for your country and should be regarded as an estimated price guide only.

**Have you calculated an estimated total cost for your ideal Gizmo 3D Printer?**  
**Email [info@gizmo3Dprinters.com.au](mailto:info@gizmo3Dprinters.com.au) for more information or to place an order.**





## DIFFERENT RESINS TO SUIT YOUR PROJECT AND BUDGET

The Gizmo 3D Printers are resin-based DLP 3D Printers. Any resins made for SLA DLP 3D Printers should work, but we can only guarantee the ones we have personally tested. We've tested and recommend:

**Fun To Do resin:** It's an affordable resin that is available in many countries and suited to a wide range of uses. It cures wonderfully fast. [isit funtodo.net](http://isit.funtodo.net) for more information.

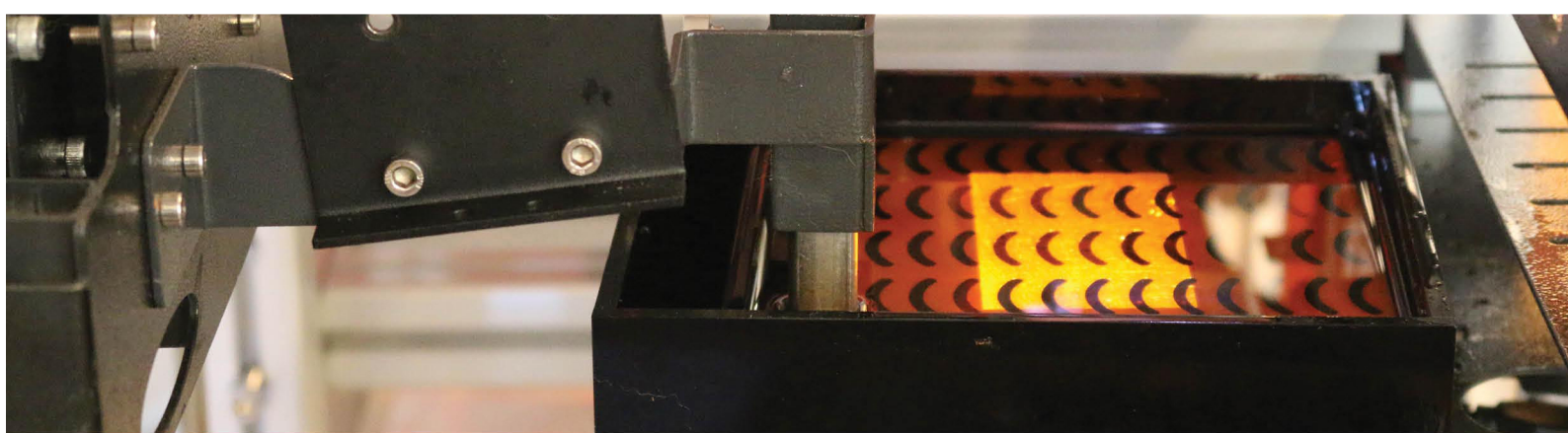
**Pro3dure resin:** Good for medical-related 3D printing such as dental items and hearing aids, for example. Some of the resins from this brand cure extremely fast while others are very thick and probably not suitable for continuous printing. The resin doesn't require any pigment like many other resins therefore no mixing required. [isit pro3dure.com](http://isit.pro3dure.com) for more information.

**Vitang resin:** Ideal for castable jewelry printing, this quality resin produces extremely high-resolution results. The resin doesn't require any pigment, as many other resins do, which also means no mixing required. It's a thick resin and prints slower therefore, not suitable for continuous printing. [isit vitangtechnology.com](http://isit.vitangtechnology.com) for more information.

**Tethon 3D resin:** The Porcelite Ceramic resin produces porcelain prints. It's slow curing and might require mixing the resin during printing. It's a thick resin and not suited for continuous printing. [isit tethon3D.com](http://isit.tethon3D.com) for more information.

**DruckWege resin:** DruckWege resin Typ D is durable, easy to paint, and cures quick. It achieves a high degree of detail and sharp edges. [isit druckwege.de](http://isit.druckwege.de) for more information.

## MATERIALS



**Spot-A Materials:** We've tested the Spot- elastic resin, it cures wonderfully fast and is relatively affordable. It produces high-resolution results, and we also recommend it for continuous printing of flexible objects. [isit spotamaterials.com](http://isit.spotamaterials.com) for more information.

### **The following resins are only to be used with UV projectors:**

**3Dresyns:** These are high-performance resins, both in terms of high mechanical performance and fast speed. They have an impressive array of resins which vary in strength, flexibility, hardness and more. [isit 3Dresyns.com](http://isit.3Dresyns.com) for more information.

**NEW! Resin from Gizmo 3D Printers:** Our Gizmo Quick resin is available in grey or transparent with a yellow tint. The grey is pigmented, in which case it will need to be mixed in-between prints. The transparent resin with a yellow tint doesn't require mixing in-between prints. Both resins print super fast, are much stronger than standard resins and can be washed with alcohol without cracking. Objects printed with these resins can also be drilled.

**Email [info@gizmo3Dprinters.com.au](mailto:info@gizmo3Dprinters.com.au) to discuss which resins and printers suit your application the best.**



# COMPANY HISTORY



Gizmo 3D Printers is a Brisbane-based startup that long-time software programmer and inventor Kobus du Toit started with Michelle, a marketing generalist, and his wife.

The state-of-the-art technology wowed many attendees at CES 2016 in Las Vegas and impressed reporters at the leading tech show, including Fabbaloo, MTS, and Mashable, which noted the super speed of the machines. On April 1st, 2016, the Gizmo 3D Printers Indiegogo campaign ended at an impressive 139% funded. Other achievements thus far include being listed as finalists for 3 of the 2016 Endeavour Awards held by Manufacturers' Monthly, shortlisted for the 2016 Lord Mayor's Budding Entrepreneurs Grant Program and being among the five startups selected from hundreds of applications for the 2016 Sponsored Entrepreneurs Program hosted by River City Labs and sponsored by CUA. Gizmo 3D Printers featured on TV show Australia Beyond 2020 on Monday, November 14th, 2016, episode 1.

In 2017, the company moved from its humble beginnings in a residential property to a factory in Australia, developed multiple upgrades for the machines, and saw an increase in sales globally. The Gizmo 3D team won their first award as part of the 2018 QUT bluebox Robotics Accelerator. 2019 saw them break their own 3D printing speed records with new product developments and start their own resin 3D printing workshops in Brisbane. They also made it to the Top 10 Australian Finalists of Startup World Cup 2019. 2020 holds exciting new product releases in the pipeline.

## CONTACT DETAILS

Email: [info@Gizmo3DPrinters.com.au](mailto:info@Gizmo3DPrinters.com.au)  
Website: [www.Gizmo3DPrinters.com.au](http://www.Gizmo3DPrinters.com.au)

### Social media:

**Facebook:** [facebook.com/Gizmo3Dprinters](https://facebook.com/Gizmo3Dprinters)  
**Twitter:** @Gizmo3Dprinters or @Gizmo3Dprinting  
**e+:** [google.com/+Gizmo3Dprinters](https://google.com/+Gizmo3Dprinters)  
**Youtube:** [youtube.com/Gizmo3Dprinters](https://youtube.com/Gizmo3Dprinters)  
**Instagram:** [instagram.com/Gizmo3Dprinters](https://instagram.com/Gizmo3Dprinters)

# APPENDIX 1: PRINTER SPECIFICATIONS



## GiziMate 130

<b>Max build envelope size (LxWxH)</b>	200mm x 113mm x 130mm
<b>Number of DLP® heads</b>	1
<b>Layer thickness *</b>	10 - 300
<b>Build platform type</b>	Stainless steel 304
<b>Vat material</b>	Stainless steel 304
<b>Printer size (LxWxH)</b>	505mm x 430mm x 716mm
<b>Heater</b>	Operating temperature up to 150 C
<b>Gearbox</b>	10:1
<b>Construction material</b>	Extruded aluminium and mild steel
<b>Weight</b>	30kg
<b>Power requirements</b>	110V/220 - 240 VAC, 5 A, 50/60 Hz
<b>Software compatibility</b>	Windows 10
<b>PC requirement</b>	External PC required. At least i3 with 4GB memory to print. Recommended i7 with 16GB memory to slice large models
<b>Replacement parts</b>	None
<b>Maintenance</b>	Spray ball screws with oil once a month
<b>Data handling</b>	STL or OBJ
<b>Automation</b>	Automatic projector movement
<b>Z axis ballscrew</b>	20mm, 5mm pitch
<b>Z axis stepper</b>	Nema 23 with 10:1 gearbox
<b>Auto projector movement</b>	2 x 12mm ballscrews + Nema 23 stepper
<b>Stepper drivers</b>	2 x DRV8825
<b>Build modes</b>	Standard speed, hybrid continuous, continuous

## GiziMate 260

<b>Max build envelope size (LxWxH)</b>	200mm x 113mm x 260mm
<b>Number of DLP® heads</b>	1
<b>Layer thickness *</b>	10 - 300
<b>Build platform type</b>	Stainless steel 304
<b>Vat material</b>	Stainless steel 304
<b>Printer size (LxWxH)</b>	505mm x 430mm x 716mm
<b>Heater</b>	Operating temperature up to 150 C
<b>Gearbox</b>	10:1
<b>Construction material</b>	Extruded aluminium and mild steel
<b>Weight</b>	30kg
<b>Power requirements</b>	110V/220 - 240 VAC, 5 A, 50/60 Hz
<b>Software compatibility</b>	Windows 10
<b>PC requirement</b>	External PC required. At least i3 with 4GB memory to print. Recommended i7 with 16GB memory to slice large models
<b>Replacement parts</b>	None
<b>Maintenance</b>	Spray ball screws with oil once a month
<b>Data handling</b>	STL or OBJ
<b>Automation</b>	Automatic projector movement
<b>Z axis ballscrew</b>	20mm, 5mm pitch
<b>Auto projector movement</b>	2 x 12mm ballscrews + Nema 23 stepper
<b>Stepper drivers</b>	2 x DRV8825
<b>Build modes</b>	Standard speed, hybrid continuous, continuous



## GiziMate Xtreme

<b>Max build envelope size (LxWxH)</b>	400mm x 225mm x 260mm
<b>Number of DLP® heads</b>	1
<b>Layer thickness *</b>	10 - 300
<b>Build platform type</b>	Stainless steel 304
<b>Vat material</b>	Stainless steel 304
<b>Printer size (LxWxH)</b>	505mm x 430mm x 716mm
<b>Heater</b>	Operating temperature up to 150 C
<b>Gearbox</b>	10:1
<b>Construction material</b>	Extruded aluminium and mild steel
<b>Weight</b>	30kg
<b>Power requirements</b>	110V/220 - 240 VAC, 5 A, 50/60 Hz
<b>Software compatibility</b>	Windows 10
<b>PC requirement</b>	External PC required. At least i3 with 4GB memory to print. Recommended i7 with 16GB memory to slice large models
<b>Replacement parts</b>	None
<b>Maintenance</b>	Spray ballscrews with oil once a month
<b>Data handling</b>	STL or OBJ
<b>Automation</b>	Automatic projector movement
<b>Z axis ballscrew</b>	20mm, 5mm pitch
<b>Auto projector movement</b>	2 x 12mm ballscrews + Nema 23 stepper
<b>Stepper drivers</b>	2 x DRV8825
<b>Build modes</b>	Standard speed, hybrid continuous, continuous

# PRINTER SPECIFICATIONS



## GiziPro 130

<b>Max build envelope size (LxWxH)</b>	200mm x 113mm x 130mm
<b>Number of DLP® heads</b>	1
<b>Layer thickness *</b>	10 - 300
<b>Build platform type</b>	Stainless steel 304
<b>Vat material</b>	Stainless steel 304
<b>Printer size (LxWxH)</b>	505mm x 430mm x 996mm
<b>Heater</b>	Operating temperature up to 150 C
<b>Gearbox</b>	10:1
<b>Construction material</b>	Extruded aluminium and mild steel
<b>Weight (empty)</b>	40kg
<b>Power requirements</b>	110V/220 - 240 VAC, 5 A, 50/60 Hz
<b>Software compatibility</b>	Windows 10
<b>PC requirement</b>	External PC required. At least i3 with 4GB memory to print. Recommended i7 with 16GB memory to slice large models
<b>Replacement parts</b>	None
<b>Maintenance</b>	Spray ballscrews with oil once a month
<b>Data handling</b>	STL or OBJ
<b>Automation</b>	Automatic projector movement
<b>Z axis ballscrew</b>	20mm, 5mm pitch
<b>Auto projector movement</b>	2 x 12mm ballscrews + Nema 23 stepper
<b>Stepper drivers</b>	2 x DRV8825
<b>Build modes</b>	Standard speed, hybrid continuous, continuous

# PRINTER SPECIFICATIONS



## GiziPro 390

<b>Max build envelope size (LxWxH)</b>	200mm x 113mm x 390mm
<b>Number of DLP® heads</b>	1
<b>Layer thickness *</b>	10 - 300
<b>Build platform type</b>	Stainless steel 304
<b>Vat material</b>	Stainless steel 304
<b>Printer size (LxWxH)</b>	505mm x 430mm x 912mm
<b>Heater</b>	Operating temperature up to 150 C
<b>Gearbox</b>	10:1
<b>Construction material</b>	Extruded aluminium and mild steel
<b>Weight (empty)</b>	40kg
<b>Power requirements</b>	110V/220 - 240 VAC, 5 A, 50/60 Hz
<b>Software compatibility</b>	Windows 10
<b>PC requirement</b>	External PC required. At least i3 with 4GB memory to print. Recommended i7 with 16GB memory to slice large models
<b>Replacement parts</b>	None
<b>Maintenance</b>	Spray ballscrews with oil once a month
<b>Data handling</b>	STL or OBJ
<b>Automation</b>	Automatic projector movement
<b>Z axis ballscrew</b>	20mm, 5mm pitch
<b>Auto projector movement</b>	2 x 12mm ballscrews + Nema 23 stepper
<b>Stepper drivers</b>	2 x DRV8825
<b>Build modes</b>	Standard speed, hybrid continuous, continuous



# PRINTER SPECIFICATIONS



## GiziPro Xtreme

<b>Max build envelope size (LxWxH)</b>	400mm x 225mm x 390mm
<b>Number of DLP® heads</b>	1
<b>Layer thickness *</b>	10 - 300
<b>Build platform type</b>	Stainless steel 304
<b>Vat material</b>	Stainless steel 304
<b>Printer size (LxWxH)</b>	505mm x 430mm x 912mm
<b>Heater</b>	Operating temperature up to 150 C
<b>Gearbox</b>	10:1
<b>Construction material</b>	Extruded aluminium and mild steel
<b>Weight (empty)</b>	40kg
<b>Power requirements</b>	110V/220 - 240 VAC, 5 A, 50/60 Hz
<b>Software compatibility</b>	Windows 10
<b>PC requirement</b>	External PC required. At least i3 with 4GB memory to print. Recommended i7 with 16GB memory to slice large models
<b>Replacement parts</b>	None
<b>Maintenance</b>	Spray ballscrews with oil once a month
<b>Data handling</b>	STL or OBJ
<b>Automation</b>	Automatic projector movement
<b>Z axis ballscrew</b>	20mm, 5mm pitch
<b>Auto projector movement</b>	2 x 12mm ballscrews + Nema 23 stepper
<b>Stepper drivers</b>	2 x DRV8825
<b>Build modes</b>	Standard speed, hybrid continuous, continuous

# PRINTER SPECIFICATIONS



## GiziMax 130

<b>Max build envelope size (LxWxH)</b>	200mm x 113mm x 130mm
<b>Number of DLP® heads</b>	1
<b>Layer thickness *</b>	10 - 300
<b>Build platform type</b>	Stainless steel 304
<b>Vat material</b>	Stainless steel 304
<b>Printer size (LxWxH)</b>	505mm x 430mm x 1816mm
<b>Heater</b>	Operating temperature up to 150 C
<b>Gearbox</b>	10:1
<b>Construction material</b>	Extruded aluminium and mild steel
<b>Weight (empty)</b>	50kg
<b>Power requirements</b>	110V/220 - 240 VAC, 5 A, 50/60 Hz
<b>Software compatibility</b>	Windows 10
<b>PC requirement</b>	External PC required. At least i3 with 4GB memory to print. Recommended i7 with 16GB memory to slice large models
<b>Replacement parts</b>	None
<b>Maintenance</b>	Spray ballscrews with oil once a month
<b>Data handling</b>	STL or OBJ
<b>Automation</b>	Automatic projector movement
<b>Z axis ballscrew</b>	20mm, 5mm pitch
<b>Auto projector movement</b>	2 x 12mm ballscrews + Nema 23 stepper
<b>Stepper drivers</b>	2 x DRV8825
<b>Build modes</b>	Standard speed, hybrid continuous, continuous

# PRINTER SPECIFICATIONS



## GiziMax 430

<b>Max build envelope size (LxWxH)</b>	200mm x 113mm x 430mm
<b>Number of DLP® heads</b>	1
<b>Layer thickness *</b>	10 - 300
<b>Build platform type</b>	Stainless steel 304
<b>Vat material</b>	Stainless steel 304
<b>Printer size (LxWxH)</b>	505mm x 430mm x 1816mm
<b>Heater</b>	Operating temperature up to 150 C
<b>Gearbox</b>	10:1
<b>Construction material</b>	Extruded aluminium and mild steel
<b>Weight (empty)</b>	50kg
<b>Power requirements</b>	110V/220 - 240 VAC, 5 A, 50/60 Hz
<b>Software compatibility</b>	Windows 10
<b>PC requirement</b>	External PC required. At least i3 with 4GB memory to print. Recommended i7 with 16GB memory to slice large models
<b>Replacement parts</b>	None
<b>Maintenance</b>	Spray ballscrews with oil once a month
<b>Data handling</b>	STL or OBJ
<b>Automation</b>	Automatic projector movement
<b>Z axis ballscrew</b>	20mm, 5mm pitch
<b>Auto projector movement</b>	2 x 12mm ballscrews + Nema 23 stepper
<b>Stepper drivers</b>	2 x DRV8825
<b>Build modes</b>	Standard speed, hybrid continuous, continuous

## GiziMax Ultimate

<b>Max build envelope size (LxWxH)</b>	400mm x 225mm x 800mm
<b>Number of DLP® heads</b>	1
<b>Layer thickness *</b>	10 - 300
<b>Build platform type</b>	Stainless steel 304
<b>Vat material</b>	Stainless steel 304
<b>Printer size (LxWxH)</b>	505mm x 430mm x 1816mm
<b>Heater</b>	Operating temperature up to 150 C
<b>Gearbox</b>	10:1
<b>Construction material</b>	Extruded aluminium and mild steel
<b>Weight (empty)</b>	50kg
<b>Power requirements</b>	110V/220 - 240 VAC, 5 A, 50/60 Hz
<b>Software compatibility</b>	Windows 10
<b>PC requirement</b>	External PC required. At least i3 with 4GB memory to print. Recommended i7 with 16GB memory to slice large models
<b>Replacement parts</b>	None
<b>Maintenance</b>	Spray ballscrews with oil once a month
<b>Data handling</b>	STL or OBJ
<b>Automation</b>	Automatic projector movement
<b>Z axis ballscrew</b>	20mm, 5mm pitch
<b>Auto projector movement</b>	2 x 12mm ballscrews + Nema 23 stepper
<b>Stepper drivers</b>	2 x DRV8825
<b>Build modes</b>	Standard speed, hybrid continuous, continuous



## APPENDIX 2: UV PROJECTOR SPECIFICATIONS



### Standard intensity UV projector

Minimum projection area	96mm x 54mm
Maximum projection area	160mm x 90mm
DLP® resolution	1920 x 1080 pixels
Native pixel size (X, Y)	7.6 micron
Weight	5kg
Power requirements	110V/220 - 240 VAC, 1 A, 50/60 Hz
Power consumption	30 Watt

### High intensity UV projector

Minimum projection area	160mm x 90mm
Maximum projection area	600mm x 338mm
DLP® resolution	1920 x 1080 pixels
Native pixel size (X, Y)	7.6 micron
Weight	5kg
Power requirements	110V/220 - 240 VAC, 1 A, 50/60 Hz
Power consumption	45 Watt