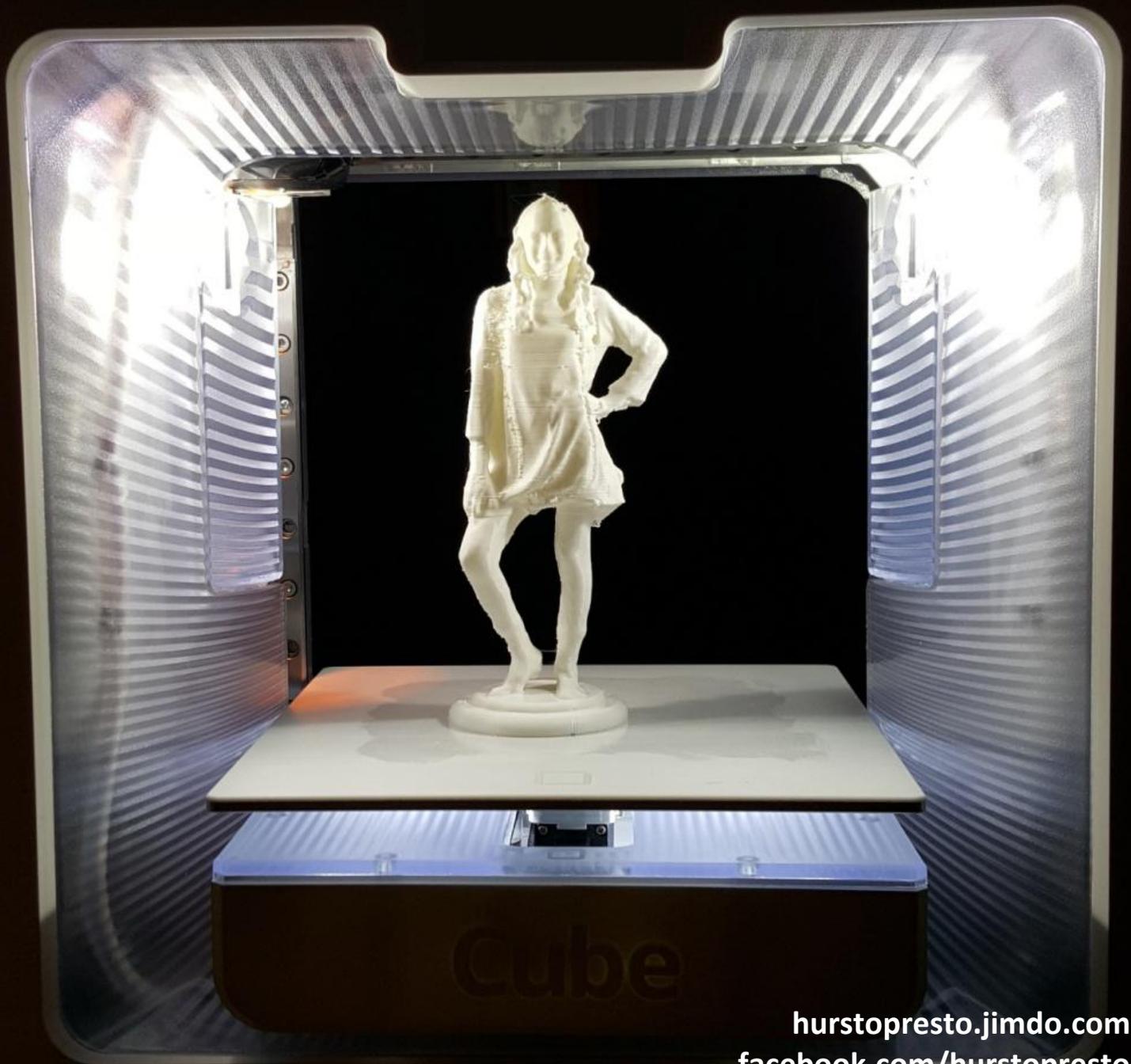


# Hursto Presto Studios

Studio Catalog 2017c

Lumberton, NC



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*Hursto Presto Studios is a home based business located in Robeson County, North Carolina. Support your local businesses by doing business with a local home based business!*

*Jim & Jane Hurst*

# Hursto Presto Studios

## 3D Printing Catalog 2017c

**Lumberton, North Carolina**

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With the arrival of affordable 3D Printing, 3D Selfies are the rage! These are not mass produced trinkets, but one-of-a-kind (or two, or three-of-a-kind) 3D printed sculptures in your likeness that will become a family heirloom treasured by your loved ones!



**Children:** Children grow quickly! A 3D Printed figurine of your youngsters would be a treasure!

**Weddings:** No more generic bride and groom! Let the actual bride and groom figurine in your likeness stand on your wedding cake!

**Sports:** Football, Baseball, Karate, whatever your sport, a 3D Printed figurine or bust of you in uniform would make a great keepsake!

**Uniformed Services:** Law enforcement, Postal Delivery, Doctors & Nurses, or Military. Have your likeness in uniform printed in 3D!

**Costumes/Regalia:** Is it Halloween? Into Cosplay? Theater? Re-enactments? Get yourself printed in costume or regalia!

## 2 Step Process

**Step 1) Get 3D Scanned!** The first thing you need to do is attend a scan session to get yourself scanned:

[hurstopresto.jimdo.com](http://hurstopresto.jimdo.com)  
[hurstopresto@gmail.com](mailto:hurstopresto@gmail.com)



Contact Jim or Jane Hurst of Hursto Presto Studios and schedule a Scan Session! Jim will use a hand held camera-like device to scan you to create a digital file of your likeness.

**There is a one-time design fee of \$40.00\*** (*covers scanning service & file editing*). **Does not include cost of 3D printing.**

## Step 2) Get 3D Printed!

By keeping the cost as low as possible for our customers, the impact of shape and sizing has a great influence on pricing. Pricing of printed pieces is variable depending on material, shape and size.

*Note that figurines with full clothing (heavy jackets, dresses, etc) may increase listed price by 20% due to increased mass.*

After the Scan Session, the file is edited and processed to prepare it for 3D printing. Your 3D Selfie model file is then sent to New York and the printing process begins. Local in-house 3D printing is available in PLA plastic that affords less cost and faster delivery time.

Our professional New York printer maintains strict model requirements to ensure print success and is 100% guaranteed. In-house PLA 3D prints may have some defects and is sold as-is.

Local In-House PLA Plastic: 5 – 7 Days Delivery

New York Printed Materials (all other): 2 – 3 Weeks Delivery

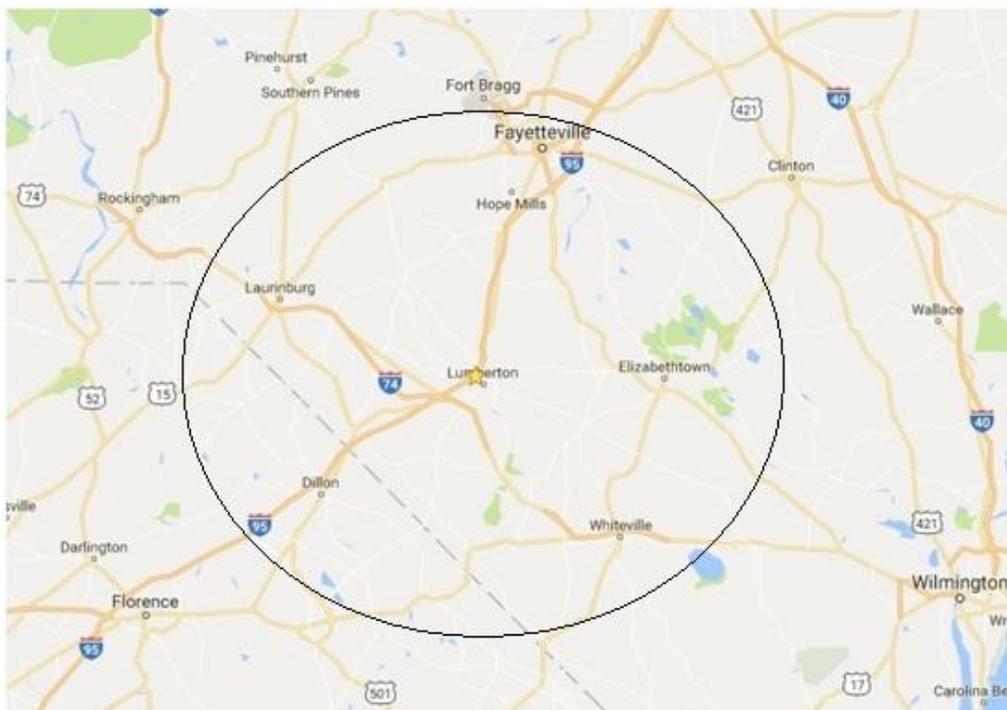


# Scan Sessions



To create a 3D Selfie or Bust, we must scan you to capture your likeness for 3D printing.

- **Private Scan Session-** We can travel to your location for a private scan session. **\$40 scan/design fee for each person.** \$20 travel charge within Robeson County, NC. \$30 travel charge within surrounding counties. No travel charge when scanning 3 or more people. Contact us to schedule a Private Scan Session: [hurstopresto@gmail.com](mailto:hurstopresto@gmail.com)
- **Studio Partnerships-** We are continually adding local businesses as Partners who may like to offer 3D Print services to their patrons. **\$30 scan/design fee for each person.** Check our Partner Listing at [hurstopresto.jimdo.com](http://hurstopresto.jimdo.com) to find a **Studio Partner Location** near you.
- **Fairs, Festivals, Expos-** We may set up at a fair/festival event on occasion. Active scanning may depend on location and lighting. See our Scan/Event Schedule at [hurstopresto.jimdo.com](http://hurstopresto.jimdo.com) for location and dates.



# Creating Your 3D Digital File



## 1) The Scan

The very first thing we need to do is get you scanned by scheduling a Scan Session. Several full figure and bust scans are created.

We use a Sense hand-held scanner by 3D Systems. You will need to stand still and not move for a good minute as you are scanned. Optimal indoor lighting is needed for good photographic full color scans with an open 10' X 10' space to conduct the scan session. Note that shiny and transparent objects are difficult to scan.



## 2) Edit

The scan generates a graphics file that is initially rough and needing repair. It's edited much like a photo image using a 3D editing tool for trimming, solidifying, smoothing, and color correction.

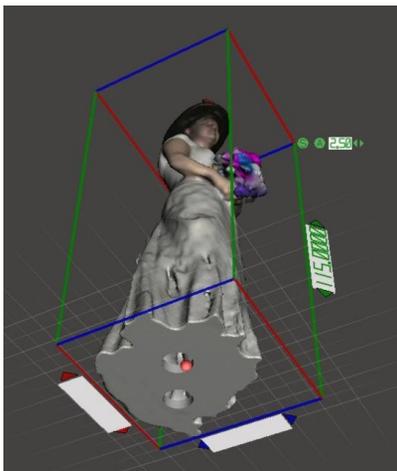


## 3) Final Prep

The digital model is sized and hollowed. We give all figurines a 2mm shell to keep pricing down. Two holes are created on the bottom to allow the material inside to be vacuumed out.

## 5) Processing

The final file is 3D printed in-house or sent to our New York printer for a more detailed print depending on material.



# Budget In-House Studio 3D Printing

## We Can Print Your 3D Selfie In-House Faster! And Cheaper!

Our studio 3D printer cannot match the quality of our New York printer's industrial laser machines, but with a resolution of 100 microns, our studio printer does great... and you can get your 3D printed figurines and busts faster, and cheaper!



### Hursto Presto Studios

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### Studio In-House

	PLA Organic	Plastic / Painted	
Miniature (3")		\$20	\$30
Small (4")		\$30	\$50
Medium (5")		\$40	\$70
Large (6")		\$50	\$90



Colors available: Clear, White, Black, Clear Red, Clear Green, Clear Yellow, Clear Tangerine, Neon Green

Does not include Scan Fee.

Aprox. 5 – 7 Days Delivery

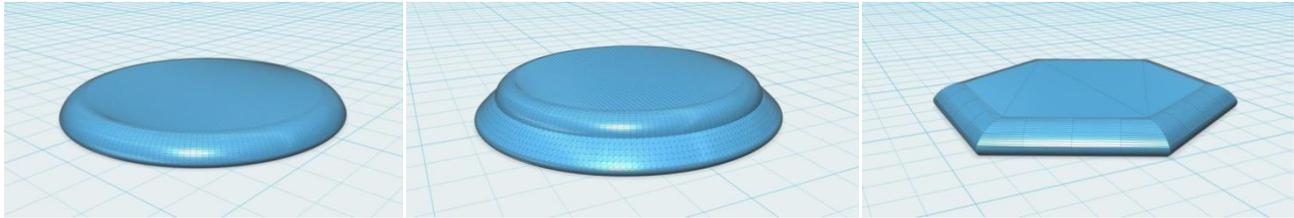
For best quality, use our New York industrial printer.

Studio In-House 3D prints may have some defects and are sold as-is.



# 3D Selfie Price Sheet

Does not include \$40 Scan Fee



*Standard*

*Double*

*Hexagon*

## *Figurines*

	<b>3"</b>	<b>4"</b>	<b>5"</b>	<b>6"</b>
PLA Plastic*	\$20	\$30	\$40	\$50
Hand Painted PLA Plastic	\$30	\$50	\$70	\$90
Detailed Strong & Flex Plastic**	\$30	\$60	\$90	\$120
Hand Painted Detailed Plastic	\$40	\$80	\$120	\$160
Full Color Sandstone	\$40	\$80	\$120	\$160
Metallic Plastic	\$50	\$100	\$150	\$200
Acrylic Plastic***	\$80	\$150	\$300	\$400
Stainless Steel****	\$100	\$250	\$500	\$700

## *Busts*

	<b>3"</b>	<b>4"</b>	<b>5"</b>	<b>6"</b>
PLA Plastic*	\$30	\$50	\$70	\$90
Hand Painted PLA Plastic	\$40	\$70	\$100	\$130
Detailed Strong & Flex Plastic**	\$50	\$100	\$200	\$300
Hand Painted Detailed Plastic	\$60	\$120	\$230	\$340
Full Color Sandstone	\$70	\$140	\$230	\$330
Metallic Plastic	\$90	\$180	\$270	\$360
Acrylic Plastic***	\$150	\$300	\$600	\$800
Stainless Steel****	\$200	\$500	\$900	\$1,400

\*PLA Colors: Ask for current colors

\*\*Detailed Strong & Flexible Colors: White, Black, Red, Purple, Pink, Blue, Yellow, Orange, and Green

\*\*\*Acrylic Plastic Colors: White, Black, and Transparent

\*\*\*\*Stainless Steel, Polished or Matte Bronze Steel, Gold Steel, & Black Steel

# Scan Packages

With all these price options, it can be difficult to narrow down your preference between scans, materials, and sizes. To aid your decision, we have total packages for 3D Selfie figurines that combine scan and print fee. **Subtract \$10 for Studio Partner scan sessions.**

**Additional pieces are less cost due to no associated scan fee.**

## Scan Package

*Includes \$40 Scan Fee and 3D Printing*

**\$60**

### Miniature 3" PLA Package

Our budget \$60 miniature 3" PLA Plastic Package covers everything to get your 3D Selfie in your hands! *Each additional 3D Selfie only \$20.*

**\$70**

### 4" PLA Package

3" miniatures are nice, but our budget larger 4" small PLA plastic figurines look even nicer! *Each additional 3D Selfie only \$30.*

**\$90**

### 3" Metallic Plastic

Plastic mixed with the sparkly dust of aluminum gives this impressive material a metallic futuristic look. *Each additional 3D Selfie only \$50.*

**\$120**

### 3" Acrylic Plastic

This package covers each person for a 3" acrylic plastic Figurine. *Each additional 3D Selfie only \$80.*

**\$70**

### Hand Painted 3" PLA Package

Full Color Sandstone is nice, but brittle and easily damaged if handled. Get your more durable \$20 PLA plastic figurine of you hand-painted by a Studio Artisan! *Each additional 3D Selfie only \$30.*

**\$90**

### Hand Painted 4" PLA Package

Full Color Sandstone is nice, but brittle and easily damaged if handled. Get your more durable \$20 PLA plastic figurine of you hand-painted by a Studio Artisan! *Each additional 3D Selfie only \$50.*

**\$120**

### 4" Full Color Sandstone Package

This package covers each person for a 4" Photographic Full Color Sandstone Figurine. *Each additional 3D Selfie only \$80.*

**\$140**

### 3" Stainless Steel

This package covers each person for a 3" stainless steel Figurine. *Each additional 3D Selfie only \$100.*

Create other scan packages by just adding print and scan fees.

# Hand Painted 3D Selfies!

Get Your Plastic 3D Selfie Hand-Painted by a Studio Artisan!

## Hand Painted PLA Plastic

Miniature (Cm 7 In. 3") \$30  
Small (Cm 10 In. 4") \$50  
Medium (Cm 13 In. 5") \$70  
Large (Cm 15 In. 6") \$90

## Hand Painted Detailed Plastic

Miniature (Cm 7 In. 3") \$40  
Small (Cm 10 In. 4") \$80  
Medium (Cm 13 In. 5") \$120  
Large (Cm 15 In. 6") \$160

*Price includes 3D print and hand painting.*

*Does not include scan fee.*

*PLA Plastic may have some defects and is sold as-is.*

*For best results, use Detailed Strong & Flexible Plastic.*

*In-House PLA est. delivery 5-7 days after scan.*

*Detailed Plastic Est. 2 – 3 weeks delivery after scan.*

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# Studio Partners

Save Money By Attending A Studio Partner Scan Session!



By coming to us, you save us travel expenses... and we pass our savings to you! Schedule a Studio Partner Scan Session at their business location to get scanned and 3D Printed as a Figurine or Bust and save money!

Normal Scan Fee: **\$40**

Studio Partner Event Scan Fee: **\$30**

See Studio Partner Listing For A Location Near You!

[hurstopresto.jimdo.com](http://hurstopresto.jimdo.com)

Shown Actual Size

# 3D Selfie Sitting Characters

Miniature Figurine

Feet	Inches	mm
6	3"	75
5' 10"		73
5' 8"		72
5' 6"	2.5"	70
5' 4"		69
5' 2"		67
5'	2"	65
4' 10"		63
4' 8"		62
4' 6"	2.5"	60
4' 4"		58
4' 2"		57
4'	2"	55

Small Figurine

Feet	Inches	mm
6	4"	100
5' 10"		97
5' 8"		93
5' 6"	3.5"	90
5' 4"		87
5' 2"		83
5'	3"	80
4' 10"		77
4' 8"		73
4' 6"	2.5"	70
4' 4"		67
4' 2"		63
4'	2"	60

Medium Figurine

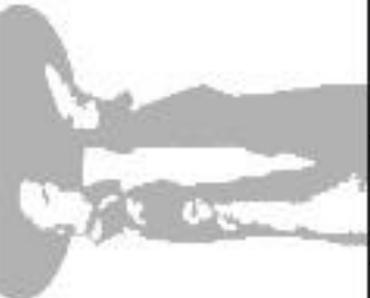
Feet	Inches	mm
6	5"	130
5' 10"		125
5' 8"		120
5' 6"	4.5"	115
5' 4"		110
5' 2"		105
5'	4"	100
4' 10"		95
4' 8"		93
4' 6"	3.5"	90
4' 4"		85
4' 2"		80
4'	3	75

Large Figurine

Feet	Inches	mm
6	6"	150
5' 10"		147
5' 8"		143
5' 6"	5.5"	140
5' 4"		138
5' 2"		135
5'	5"	130
4' 10"		125
4' 8"		120
4' 6"	4.5"	115
4' 4"		110
4' 2"		105
4'	4"	100

Hursto Presto Studios

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# PLA Plastic



**PLA Plastic is printed locally In-House** and offered in several colors including White, Black, Neon Green, and misc. transparent colors depending on inventory. The printing process creates visible stepping between layers. Support structures are generated to scaffold overhangs, which are manually removed after printing. The stepping and support structures create a coarse and sometimes rough surface.

Printed using Fused Deposition Modeling (FDM) technology, the process uses an extrusion technique to deposit molten plastic onto build platform layer

by layer. Plastic filament is fed through a nozzle which heats up the plastic to a semi-liquid state.

This is then deposited along a defined extrusion path on top of a heated build platform. This process is repeated for each layer of your model. As each layer is deposited on top of the preceding layer, the plastic solidifies as it cools.



*In-House PLA Plastic delivered within 5 – 7 days.*

*Colors: White, Black, Neon Green, Transparent*

## **PLA Plastic Figurines**

Miniature (Cm 7 In. 3") \$20

Small (Cm 10 In. 4") \$30

Medium (Cm 13 In. 5") \$40

Large (Cm 15 In. 6") \$50

## **PLA Plastic Busts**

Miniature (Cm 7 In. 3") \$30

Small (Cm 10 In. 4") \$50

Medium (Cm 13 In. 5") \$70

Large (Cm 15 In. 6") \$90

*Note: PLA plastic may have some defects and are sold as-is. For best results, use Detailed Strong & Flexible Plastic.*

## Detailed Strong & Flexible Plastic:



Detailed Strong & Flexible Plastic and other materials are printed in New York. It is incredibly versatile, and can be used for a wide variety of applications, from iPhone cases to jewelry, remote controlled quadcopters to wearable bikinis.

When thin, it's flexible enough for hinges and springs. When thick, it's strong enough for structural components.

To 3D print in this material, they start with a bed of Nylon powder and sinter the powder with a laser layer by layer, solidifying the powder as they go.



### Detailed Strong & Flexible Plastic Figurines

Miniature (Cm 7 In. 3") \$30

Small (Cm 10 In. 4") \$60

Medium (Cm 13 In. 5") \$90

Large (Cm 15 In. 6") \$120

### Detailed Strong & Flexible Plastic Busts

Miniature 3": \$50

Small 4": \$100

Medium 5": \$200

Large 6": \$300



*Colors: White, Black, Red, Purple, Pink, Blue, Yellow, Orange, and Green.*

*Delivered within 2-3 weeks.*

## Full Color Sandstone:



Sandstone is the only material capable of full-color 3D prints. Produced on Z-Corp printers, it is perfect for figurines, life-like models, avatars, and other products that lend themselves to colorful, high-quality printing. Models are created by printing binder material and colored ink layer-by-layer into a bed of gypsum-based powder.

After printing, the models are finished with a cyanoacrylate (super glue) sealant to ensure durability and vivid colors. The final product is a hard, brittle material that works great for figurines and visual models, but isn't well suited to functional parts or daily handling. Models should be handled carefully, and not exposed to water as it will cause fading.

When printing in this material, some variation in color shade is unavoidable, especially with difficult-to-produce colors such as browns and skin tones. They optimize each print run to make individual models look great, may see differences in color when looking at multiple prints of the same model side by side.

### **Hanging structures break easily**

Any structure that has a hanging structure is likely to break. This includes the end piece in an unsupported, heavy object, as pictured. Another example of something that would break is a miniature of a person with an arm sticking straight out. The arm would break off.



### **Full Color Sandstone Figurines**

Miniature (Cm 7 In. 3") \$40  
Small (Cm 10 In. 4") \$80  
Medium (Cm 13 In. 5") \$120  
Large (Cm 15 In. 6") \$160

### **Full Color Sandstone Busts**

Miniature (Cm 7 In. 3") \$70  
Small (Cm 10 In. 4") \$140  
Medium (Cm 13 In. 5") \$230  
Large (Cm 15 In. 6") \$330

*Delivered within 2-3 weeks.*

## Metallic Plastic (Alumide):



Metallic Plastic is Nylon Plastic filled with Aluminum dust. This dust gives Metallic Plastic the sparkle, but also makes the material more brittle than the Strong & Flexible material.

We start with a bed of mixed Nylon Plastic and Aluminum powder. We sinter the powder with a laser layer by layer, solidifying the powder as we go. Because of this layer by layer process, some models may see a staircase effect.

We also offer Polished Metallic Plastic, which is a smoother version of Metallic Plastic. This

material is great for jewelry or anything that needs a futuristic look.



## Metallic Plastic

### Figurines

- Miniature (Cm 7 In. 3") \$50
- Small (Cm 10 In. 4") \$100
- Medium (Cm 13 In. 5") \$150
- Large (Cm 15 In. 6") \$200

## Metallic Plastic

### Busts

- Miniature 3": \$90
- Small 4": \$180
- Medium 5": \$270
- Large 6": \$360



*Delivered within 2-3 weeks.*

## Acrylic Plastic:



Acrylic Plastic is an acrylic-based photopolymer that comes in white, black and transparent. We recommend using this material for smaller, detailed products that don't face high stress or heat. The level of detail for these products is high, but individual layers are more visible than in Strong & Flexible plastics.

Hard to clean models will be rejected, here's why. During printing, the cavities in your model will be supported by a waxy material which must then be removed before we ship it. While a good deal of this material comes off without any issues, the rest must be scraped away manually with a scalpel. If you design a

model with cavities that make such scraping difficult, then unfortunately we cannot produce this. *Transparent Acrylic can be clearer when polished*

### Acrylic Plastic

#### Figurines

Miniature (Cm 7 In. 3") \$80

Small (Cm 10 In. 4") \$150

Medium (Cm 13 In. 5") \$300

Large (Cm 15 In. 6") \$400

### Acrylic Plastic

#### Busts

Miniature 3": \$150

Small 4": \$300

Medium 5": \$600

Large 6": \$800



*Delivered within 2-3 weeks.*

## Frosted Detail Plastic:



Frosted Ultra Detail and Frosted Extreme Detail are both made of a UV cured acrylic polymer. While both offer high resolution, Frosted Extreme Detail uses a 16 micron layer height to produce incredibly fine features, making it a great choice for miniatures, model trains, and products with very fine embossed or engraved details. Both materials are well suited for painting, and are relatively brittle, especially when features are thin. The material is heat resistant up to 80°C / 176°F degrees.

This material is printed using the Multijet Modeling (MJM) process. Molten plastic is deposited onto an aluminum build platform in layers using several nozzles, essentially like a large print that sweeps across the build layer. As the heated material jets onto the build plate, it solidifies instantly.



## Frosted Detail Plastic

### Figurines

Miniature (Cm 7 In. 3") \$100

Small (Cm 10 In. 4") \$200

Medium (Cm 13 In. 5") \$340

Large (Cm 15 In. 6") \$500

## Frosted Detail Plastic

### Busts

Miniature 3": \$160

Small 4": \$380

Medium 5": \$700

Large 6": \$900



*Delivered within 2-3 weeks.*

## Stainless Steel:



This material is 3D printed 420 Stainless Steel infused with bronze, and has a final composition of approximately 60% steel and 40% bronze.

To build steel models, special 3D printers deposit small drops of glue onto layers of stainless steel powder, one layer at a time, until the print is complete. We carefully remove these models from the printer. At this stage of the process, the objects are very fragile, similar to wet sand. The models then go through an infusion process that replaces the glue with bronze, creating a full metal product.



It is heat resistant to 831°C / 1528°F degrees. Higher temperatures may significantly change material properties.

## Stainless Steel

### Figurines

Miniature (Cm 7 In. 3") \$100

Small (Cm 10 In. 4") \$250

Medium (Cm 13 In. 5") \$500

Large (Cm 15 In. 6") \$700

## Stainless Steel

### Busts

Miniature 3": \$200

Small 4": \$500

Medium 5": \$900

Large 6": \$1,400



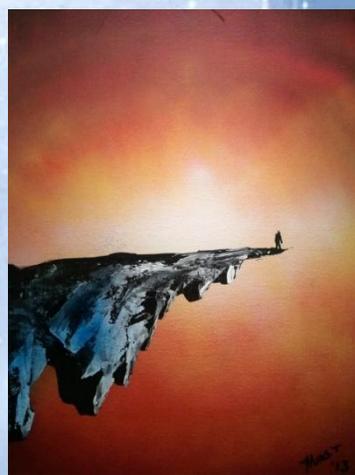
*Stainless Steel, Polished or Matte Bronze Steel, Gold Steel, & Black Steel*

*Delivered within 2-3 weeks.*

# Paintings

***Before 3D printing, Jim Hurst was a prolific oil painter with recent work involving Spray Paint.***

***Order Your Prints At [hurstopresto.jimdo.com](http://hurstopresto.jimdo.com)***



***Hursto Presto Studios***

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