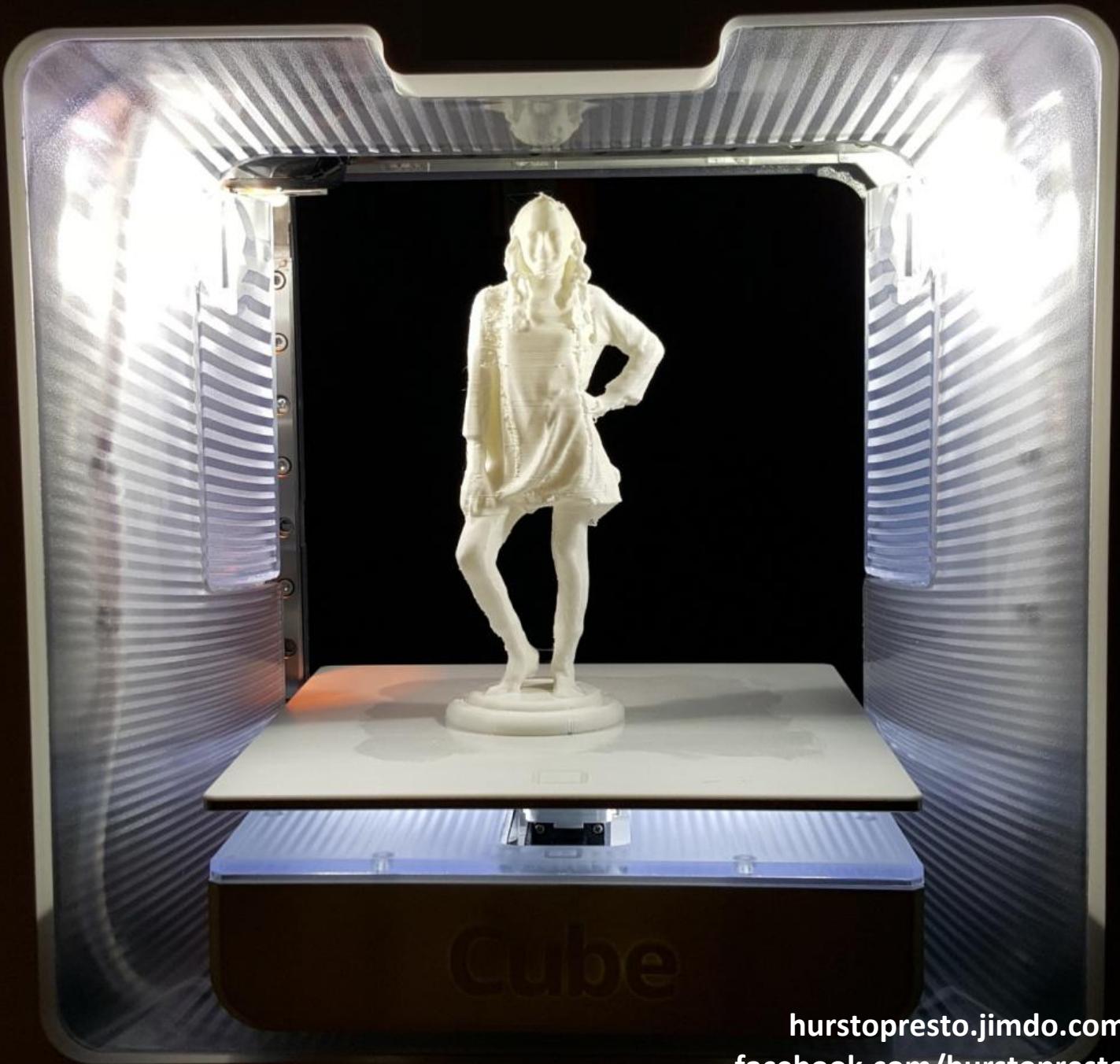


Hursto Presto Studios

Studio Catalog 2016m

With the arrival of affordable 3D Printing, 3D Selfies are the rage! Have your likeness immortalized as a detailed bust or figurine just for yourself or as a gift for a loved one!



hurstopresto.jimdo.com
facebook.com/hurstopresto
hurstopresto@gmail.com

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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 2016m

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!



Newborns: Just had a baby? A 3D Printed figurine of your sleeping baby in a basket would be a treasure!

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!

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

Costumes: Is it Halloween? Into Cosplay? Theater? Get yourself printed in costume!

2 Step Process



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

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Check our **Scan Schedules** to meet up with a Digital Designer (Jim) who will use a hand-held camera-like device to scan you and create a digital file of your likeness.

There is a one-time design fee of \$40.00*: *(covers scanning service, file editing, and your copy of the files for 3D Printing)*. 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.

Once you decide on size and material of your 3D figurine or bust, the file is edited and processed to prepare it for 3D printing. Your 3D Selfie model file are then sent to New York and the printing process begins.

Our professional New York printer maintains strict model requirements to ensure print success. Once the prints are complete (approx. 2 - 3 weeks), they are shipped to Hursto Presto Studios where we do a final quality check and deliver to you your 3D Selfie.



Scan Sessions

To create a 3D Selfie or Bust, we must scan you to capture your likeness for 3D printing. There is a **\$40 scan/design fee for each person**, and there are 4 different ways to get yourself scanned:

1) Private Scan Session- We can travel to your location for a private scan session. **\$20 travel charge within Robeson County. \$30 travel charge surrounding counties.** No travel charge if scanning 3 or more people. Cash/credit payment due upon arrival. Contact us to schedule a Private Scan Session: hurstopresto@gmail.com

2) Open House- We will set up the scan tent at our studio residence on occasion. 25% off scan fee! **Requires pre-registration (\$30)** at hurstopresto.jimdo.com

3) Partnerships- We are continually adding local businesses as Partners who may like to offer 3D Print services to their patrons. Check our Partner Listing at hurstopresto.jimdo.com to see if there is a **Studio Partner** near you.

4) Fairs, Festivals, Expos- We will set up at a fair/festival event on occasion. See our Scan/Event Schedule at hurstopresto.jimdo.com for location and dates.

See hurstopresto.jimdo.com for Scan Schedules.



**HALLOWEEN
FUNDRAISER**



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.

I use a Sense hand-held scanner by 3D Systems. This scanner hates shiny & see-through materials. You will need to stand still and not move for a good minute as I circle around and scan you.

2) Initial Edit

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

3) Fine Edit

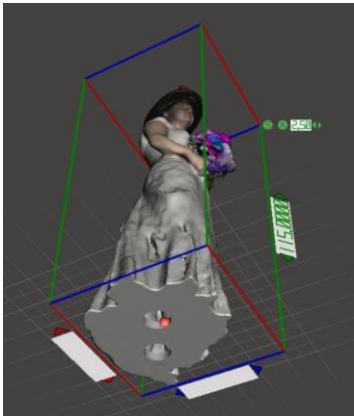
The model is further edited. The lighting was terrible, so I digitally painted the entire model by hand.

I had painted her entire face but she needed her facial features back.

4) Modification

I cropped her head from her more detailed bust scan and replaced the head on the figurine. It's a Doctor Frankenstein kind of thing Muahahaha!

Ahem. If a base or special props were needed I'd add it here.



5) Final Prep

The digital model is sized and hollowed. I 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.

6) Processing

The final file is sent to our New York printer for processing. They utilize strict standards to ensure a good print, and often the digital model would need further editing to pass their strict standards.

Once processed, the model is printed by our professional New York industrial 3D printer and shipped to our studio for final inspection.

3D Selfie Print Pricing



Figurines:

3D printed figurines are generally less cost than busts due to their smaller mass.

Pricing is listed by material and height.

Best Value:

3" PLA Plastic Figurine: **\$20ea**

3" Full Color Sandstone Figurine: **\$40ea**

Busts:

3D printed busts are generally more expensive than figurines due to their larger mass.

Pricing is listed by material and size.

Best Value:

3" PLA Plastic Bust: **\$40ea**

3" Full Color Sandstone Bust: **\$70**

Choose Your 3D Selfie

Once scanned, you can pick from a large variety of materials and sizes that best suits your budget. Your scan is edited and processed and sent to our professional New York 3D printer for printing.

All New York printed items est. 2 – 3 weeks delivery.

Please note that the 3D printed products are intended for decorative purposes. They are not suited to be used as toys or to be given to underage children. The products should not come into contact with electricity and be kept away from heat. Our materials, except for Porcelain, are not food safe.

At A Glance

PLA Plastic*

Miniature (Cm 7 In. 3")	\$20
Small (Cm 10 In. 4")	\$40
Medium (Cm 13 In. 5")	\$60
Large (Cm 15 In. 6")	\$80

Strong & Flexible Plastic **

Miniature (Cm 7 In. 3")	\$30
Small (Cm 10 In. 4")	\$60
Medium (Cm 13 In. 5")	\$90
Large (Cm 15 In. 6")	\$120

Full Color Sandstone***

Miniature (Cm 7 In. 3")	\$40	\$30
Small (Cm 10 In. 4")	\$80	\$60
Medium (Cm 13 In. 5")	\$120	\$90
Large (Cm 15 In. 6")	\$160	\$120

Metallic Plastic

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

Acrylic Plastic ****

Miniature (Cm 7 In. 3")	\$80
Small (Cm 10 In. 4")	\$150
Medium (Cm 13 In. 5")	\$300
Large (Cm 15 In. 6")	\$400

Stainless Steel

Miniature (Cm 7 In. 3")	\$100
Small (Cm 10 In. 4")	\$250
Medium (Cm 13 In. 5")	\$500
Large (Cm 15 In. 6")	\$700

*PLA Colors: White, Black, and Gray

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

***Full Color Sandstone Special Pricing Through 2016

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

3D Selle Sizing Charts

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'	4"	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

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PLA Plastic



PLA is offered in four colors: black, white, gray and orange. 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.



Colors: White, Black, & Gray.

PLA Plastic Figurines

Miniature (Cm 7 In. 3")	\$20
Small (Cm 10 In. 4")	\$40
Medium (Cm 13 In. 5")	\$60
Large (Cm 15 In. 6")	\$80

PLA Plastic Busts

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

Note: For best results, use Strong & Flexible Plastic.

Strong & Flexible Plastic:



Strong & Flexible plastic material 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.



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

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

Strong & Flexible Plastic Busts

Miniature 3": \$50

Small 4": \$100

Medium 5": \$200

Large 6": \$300



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 handing. 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***

Miniature (Cm 7 In. 3") \$40 ~~\$30~~

Small (Cm 10 In. 4") \$80 ~~\$60~~

Medium (Cm 13 In. 5") \$120 ~~\$90~~

Large (Cm 15 In. 6") \$160 ~~\$120~~

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

****Full Color Sandstone Special Pricing Through 2016*

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.



VIEW

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

Acrylic Plastic:



VIEW

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



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

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

3D Selfie Wedding Figurines

Get Scanned And 3D Printed As The Actual Bride & Groom Topper For Your Wedding Cake!



PLA Plastic*

PLA Plastic*

Miniature (Cm 7 In. 3") \$20
Small (Cm 10 In. 4") \$40
Medium (Cm 13 In. 5") \$60
Large (Cm 15 In. 6") \$80

Strong & Flexible Plastic**

Full Color Sandstone

Transparent Acrylic Plastic***

Strong & Flexible Plastic **

Miniature (Cm 7 In. 3") \$30
Small (Cm 10 In. 4") \$60
Medium (Cm 13 In. 5") \$90
Large (Cm 15 In. 6") \$120

Full Color Sandstone***

Miniature (Cm 7 In. 3") \$40 ~~\$30~~
Small (Cm 10 In. 4") \$80 ~~\$60~~
Medium (Cm 13 In. 5") \$120 ~~\$90~~
Large (Cm 15 In. 6") \$160 ~~\$120~~

Acrylic Plastic ****

Miniature (Cm 7 In. 3") \$80
Small (Cm 10 In. 4") \$150
Medium (Cm 13 In. 5") \$300
Large (Cm 15 In. 6") \$400

*PLA Colors: White, Black, and Gray

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

***Full Color Sandstone Special Pricing Through 2016

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

Hand Painted 3D Selfies!

Full Color Sandstone offers the best likeness for 3D Selfies because the color is an actual scanned photographic texture map. But lighting conditions greatly affect scanned color data and some scans may contain color abnormalities due to inadequate light sourcing and shadows. These conditions may be present during remote scans. Sandstone is also brittle and easily damaged.

The good news is the scanned geometry of the model is maintained and your 3D Selfie looks great as a mono-color plastic likeness of yourself!

**And You Can Still
Get Your Full Color 3D Selfie!**

**Get your plastic 3D Selfie
hand-painted by a Studio Artisan!**



Hand Painted PLA 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

Hand Painted Strong & Flexible Plastic

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



*PLS Plastic may have some defects and is sold as-is.
For best results, use Strong & Flexible Plastic.*

Est. 2 – 3 weeks delivery.

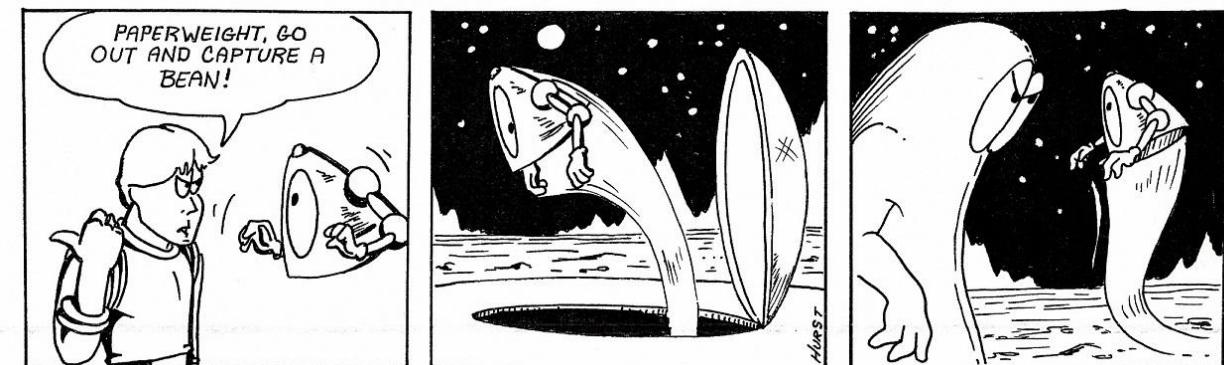
Paperweight



*Then order
your own 3D printed Paperweight robot!*

Back in 1987 while in the Navy, Jim Hurst created a newspaper styled comic strip about a cone shaped robot called Paperweight.

See all 29 strips at
hurstoppresto.jimdo.com



Paintings

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

Order Your Prints At hurstopresto.jimdo.com



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