

MASSIVIT

Achieve the Extraordinary

LARGE-SCALE 3D PRINTING
FOR SCENIC FABRICATION



Film, TV & Theater

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& Museums

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MASSIVIT

"For 15 years, we've dreamed of a day when a printer would provide super-large scale, speed, and build strength at low print costs, in equal measure. The Massivit 3D printer has delivered this for us."

— Sir Richard Taylor,
Weta Workshop Co-founder,
CEO & Creative Director

Giant Entertainment Applications at Radical Speed



Massivit 3D printing solutions offer scenic fabricators a way to dramatically speed up creative construction of large props, scenic sets, displays, and prototypes. Whether you're fabricating for TV, film and theater, amusement parks, museums, events or gaming, large-scale 3D printing now empowers you to produce stunning projects with vastly reduced turnaround times.

Mega-scale

Create models or parts up to 6 feet (1.8 meters) tall in one print and easily connect parts together to achieve unlimited size.

Radical speed

Produce props and sets in a fraction of the time of any other fabrication technology. Offering two printing heads, Mas

Lightweight

Hollow production means your models will be lightweight for easier maneuverability and transportation as well as minimizing consumption of printing materials. Internal illumination is also simple to implement.

Ready for any creative finish

Create any type of artistic finish – whether an intricate, scaly dinosaur skin or a shiny, smooth surface. Massivit 3D printing provides you with the core construction – fast – so you can focus your skills and time on a creative finish, paint work, texture, fiberglass layup, or animatronics.





Film, TV & Theater

Great Heights at Astonishing Speed

Prop and scenic fabricators have been using 3D printers for some time now. However, there's a recognized gap when it comes to size and speed, particularly when deadlines are tight. Large-scale 3D printing now fills this gap. Fabricators are adopting Massivit 3D printers to enable the creation of giant, spectacular props and sets in a far more cost-effective way.

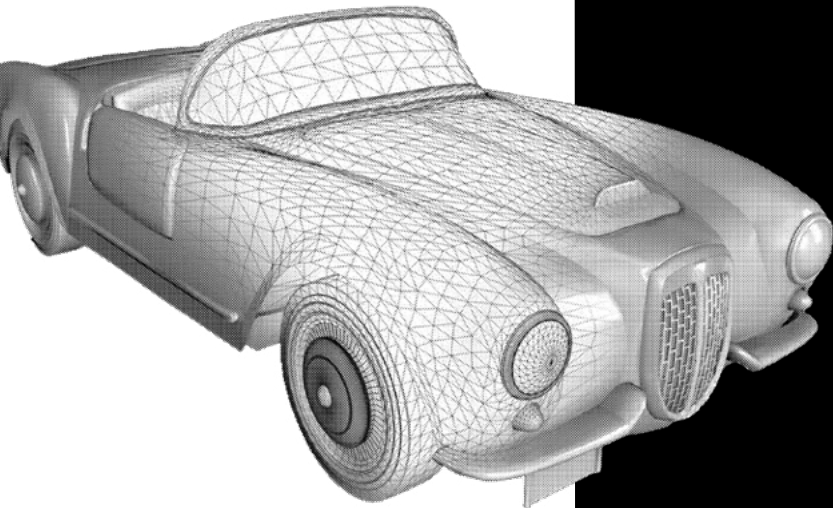


La Scala Flying Vintage Car

3D printed by Colorzenith,
Giò Forma.



“It would have been impossible to hit this time frame with any other technology.”
— Florian Boje,
Giò Forma



Flying classic Lancia B24 for La Scala opera Don Pasquale starring Rosa Feola.

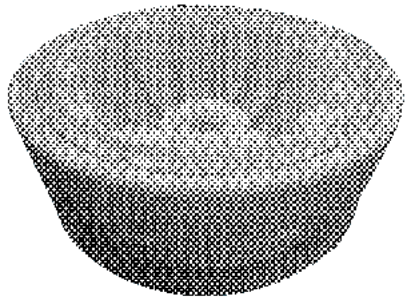
Carnero Prop

Designed by Diego
Licenblat



X-Wing Fighter

3D Printed by Dangling Carrot Creative. Designed by Pixologic. Finish, electrics, and assembly by Monster City Studios



“Once we designed the X-Wing Fighter, Dangling Carrot Creative gave us the capability to 3D print life-size parts to help eliminate the need for molds or casting, saving considerable time and money.”

— Paul Gaboury,
3D Product Development
Manager at Pixologic

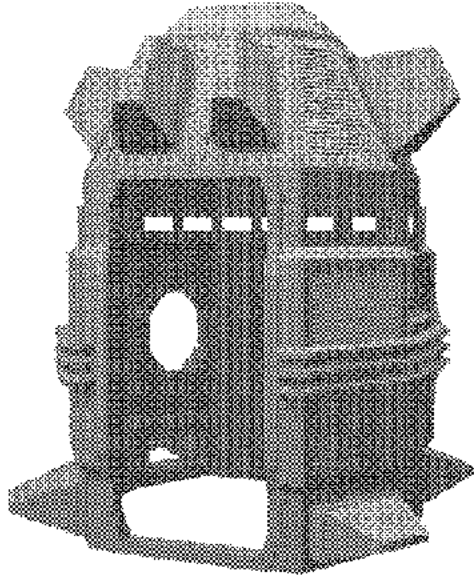


X-Wing Fighter for Comic Con International Booth of Magic Wheelchair. 3D Printed by Dangling Carrot Creative. Designed by Pixologic. Finish, electrics, and assembly by Monster City Studios.



The Orville Space Pod for Fox

Dangling Carrot Creative



Space pod prop for the Fox series, The Orville.



IT Chapter 2

Media Resources



Paul Bunyan prop for movie IT Chapter 2 – 3D printed head, hands, and boots.

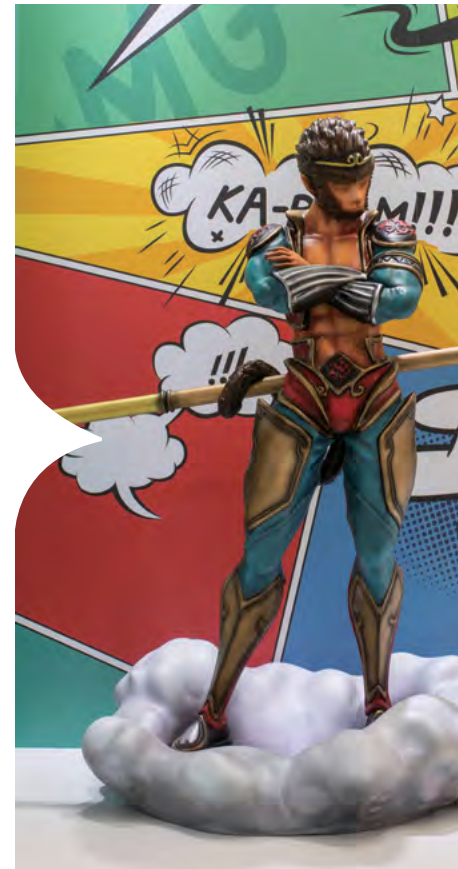
Monkey King

SID Installation Art



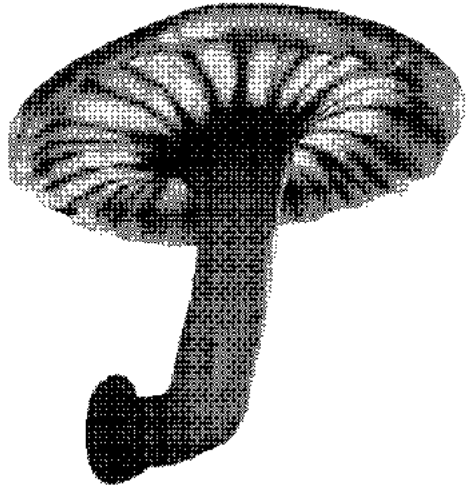
“ Our Massivit 3D printer is in use 18 hours per day, every day. It enables us to produce models in half the time because we no longer need to create a mold. We can also share the digital 3D model and iterations with clients to quickly finalize design specifications. This enables us to accept a greater volume of jobs. ”

— Hung Jui Chia,
COO of SID Installation Art



Illuminated Fairytale Décor

SEEN Technology



Storyville Bar Décor, Melbourne.



Amusement Parks & Museums

Make the Fantasy Real

To create an immersive journey into far-off fantasy lands or an experiential dive into history, there's nothing that compares with large-scale 3D printing. As a digital technology, it affords precise replication of beloved characters, extinct creatures, giant structures and magical settings that could not be replicated with other technologies. You can easily produce a series of characters with slight variations on pose and expression. Integrate captivating 3D elements into 2D backdrops. Authentically restore original museum pieces. And choose to either 3D scan objects or design them from scratch in CAD software.



2D/3D Triceratops

Métropole

“ This is undoubtedly what a triceratops of that era looked like. Now we can leverage this extraordinary technology to create this kind of display that would otherwise be very complex and very, very expensive to make. ”

— Bruno David,
President of National Natural
History Museum, Paris



Full-size triceratops used to promote Museum of Natural History exhibition, Paris.



Time Tree for Singapore Bicentennial Celebrations

3D printed by AVS Printing
Artist: Robert Zhao.

Commissioned by the
Public Art Trust Singapore.



Singapore bicentennial celebration time tree.

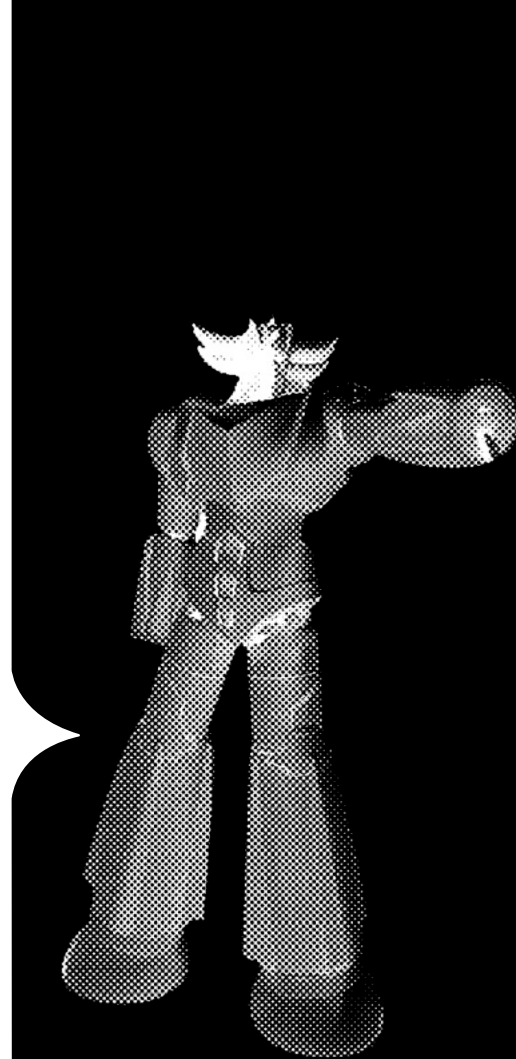


Goldorak

Marie 3D



Giant Goldorak displayed in Tsume Store, Paris.



Spiderman in Action

Media Resources

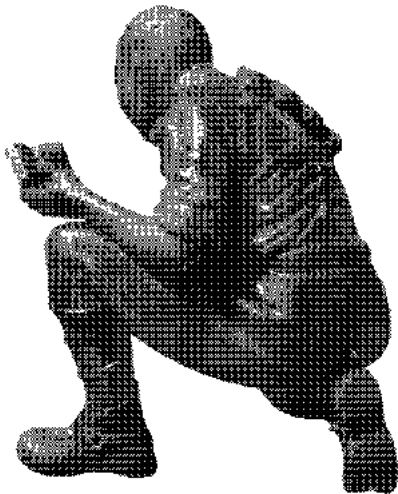


Life-size Spiderman for amusement parks and events.



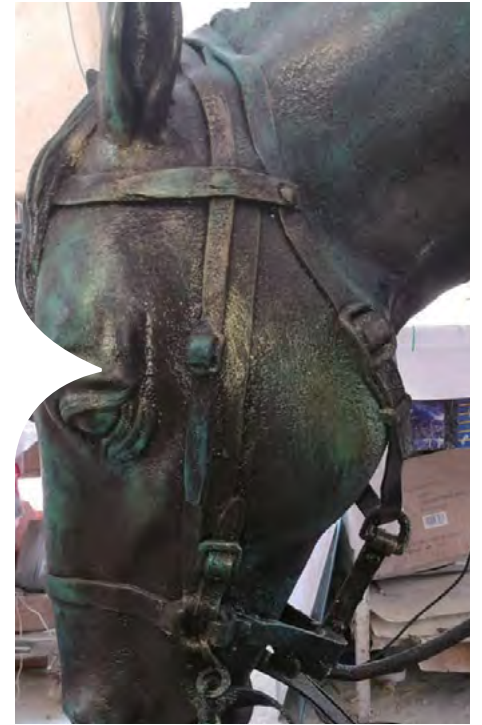
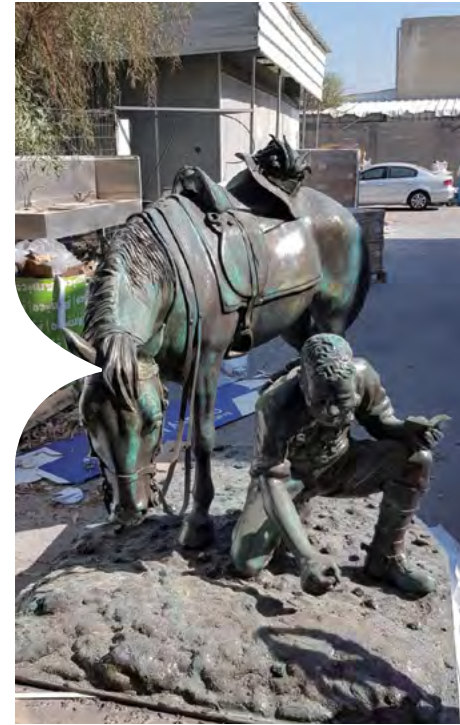
Australian Aboriginal Soldier Memorial

3D Dreams & E.S. Digital



“ Our decision to use large format 3D printing rather than sculpting a mold for this statue was an easy one. Sculpting would have cost us 30% more and taken a lot longer to produce. ”

— Nadav Ishay,
CEO, 3Dreams



Australian Light Horse Association statue commemorating Australian Aboriginal soldiers.

Events & Exhibitions



Create Interactive, Larger-than Life Moments That Captivate & Charm

Human interactivity remains at the heart of any journey or event, even in the digital age. Large-scale 3D printing empowers fabricators and event producers to create an engaging and memorable experience for any occasion. Giant selfie points, interactive custom displays, and unique structures can be adorned with sensors, illumination, animatronics, or electrics to draw in crowds and ensure that events go viral online.



Astronaut Prop

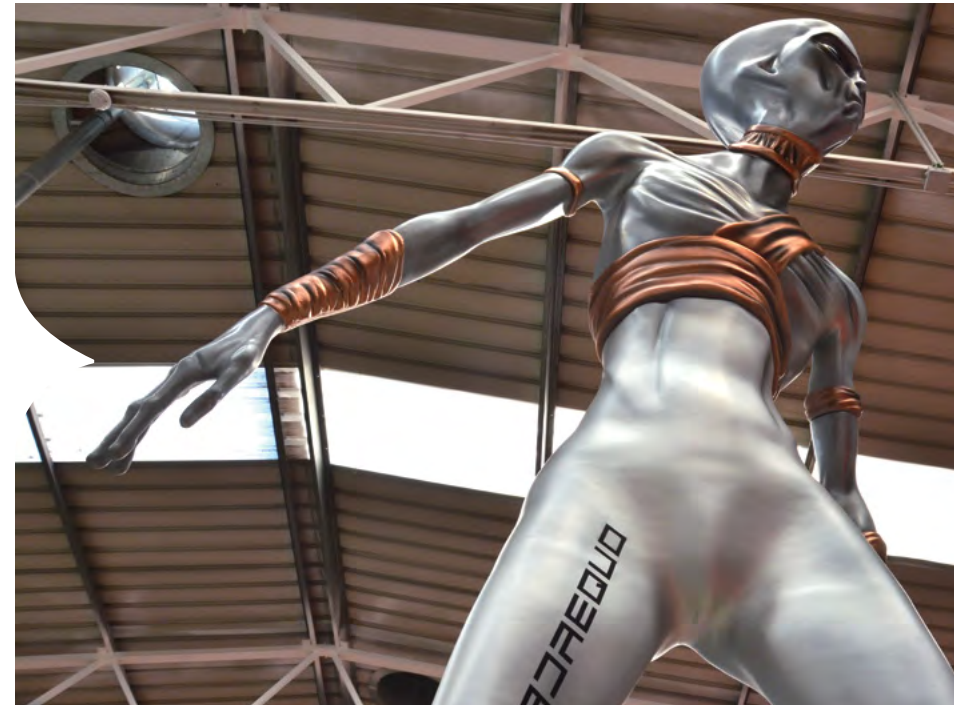
Adaequo



Full-scale astronaut, 3D printed for events.

Giant Alien Prop

Adaequo



Giant alien produced for Adaequo's anniversary event.

SkiDeal Week Party Props

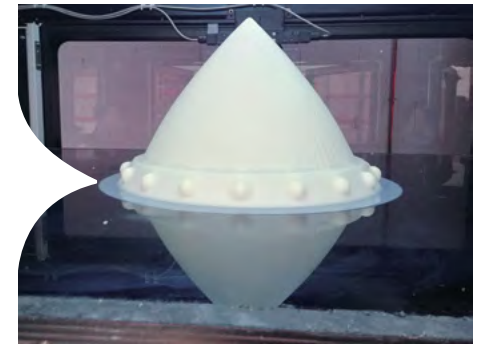
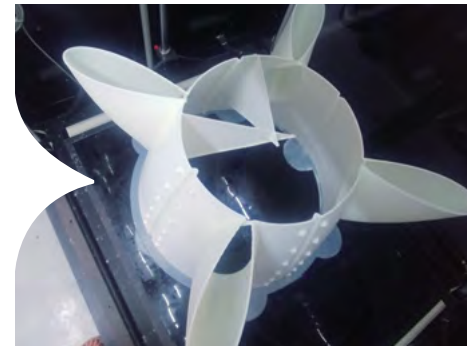
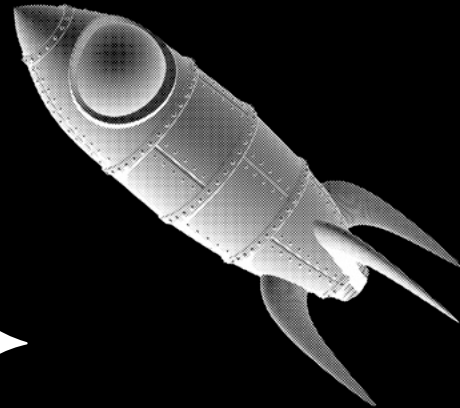
Marie 3D - Ski Boot
Sismaitalia - Goggles, Helmet



Super-sized ski boot and ski accessories produced for alpine week-long skiing event including social media viral campaign by SkiDeal.

Projection Mapping on 3D Printed Rocket

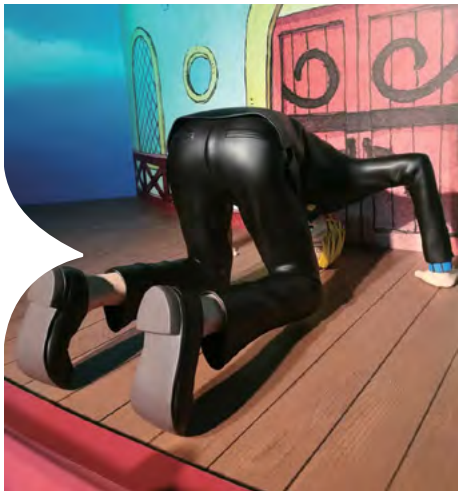
Adaequo



Giant rocket with projection mapping for Adaequo's anniversary event.

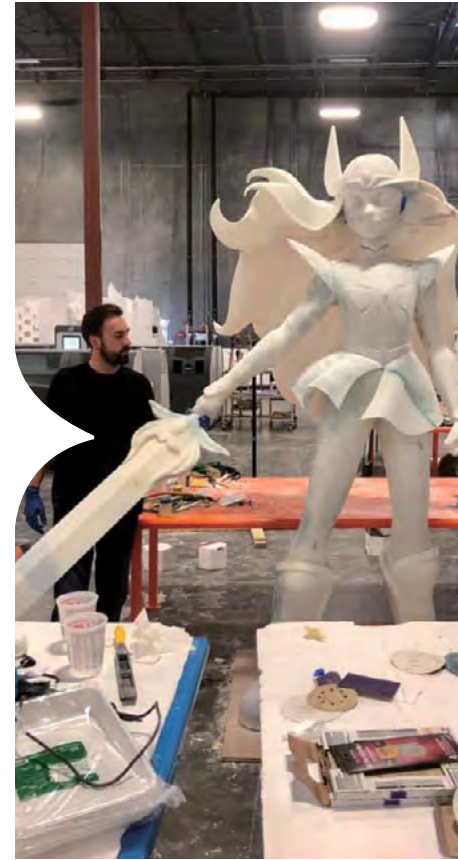
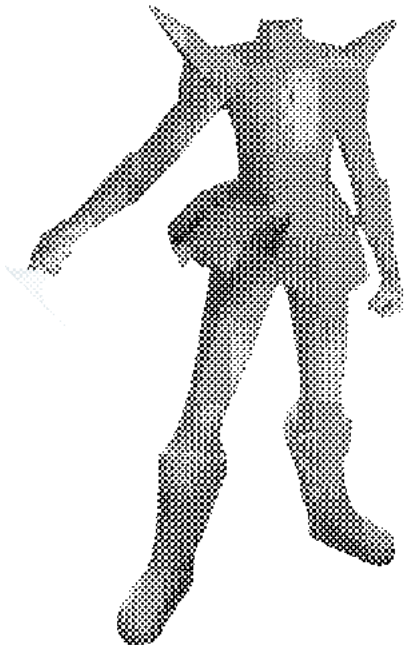
One Piece 20th Anniversary

SID Installation Art



Netflix/ DreamWorks Booth at Comic Con NY

Dangling Carrot Creative



She-Ra Character Produced for Marketing Genome, 3D printed by Dangling Carrot Creative.

Throne of Fries

EclipseCorp



Creative furniture display created for major brand for trade show.

Festival of Lights – Guadalajara

Moti Digital 3D



Colossal 3D printed skeleton for Festival of Light, designed by Moti Digital.

Angoulême International Comics Festival

Métropole



“ This is exactly the wow effect we were aiming for and Massivit 3D printing was the only viable production process for it - given our turnaround time. The statues have an ultra-realistic finish that totally brings them to life. Comic fans reconnect with their childhood emotions and find themselves immersed in a playful, joyous and comforting world. ”

— Franck Bondoux
President of the International Festival of Comics in Angoulême,



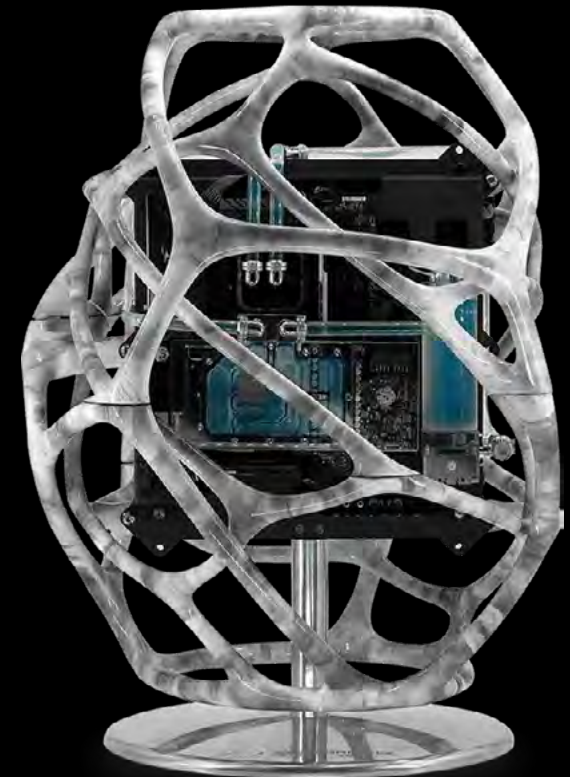
5 life-size characters produced for the Angoulême festival at the Gares and Connexions railway station, Paris. 'Le Fauve' (the festival's mascot), Blake and Mortimer, Spirou and Seccotine.

Gaming



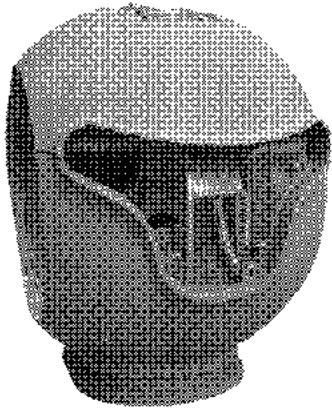
Physicalize & Humanize the Gaming World

Gamers would surely spend more time in the real world if it emulated their online arena... Top fabricators who have adopted Massivit 3D printing have discovered a way to touch the hearts of Gamers by creating environments that embrace their online world. The combination of large format 3D printing technology with the ability to think outside the box has generated a new league of creative possibilities for the gaming world at large.



XPG Gaming Cockpit

SID Installation Art

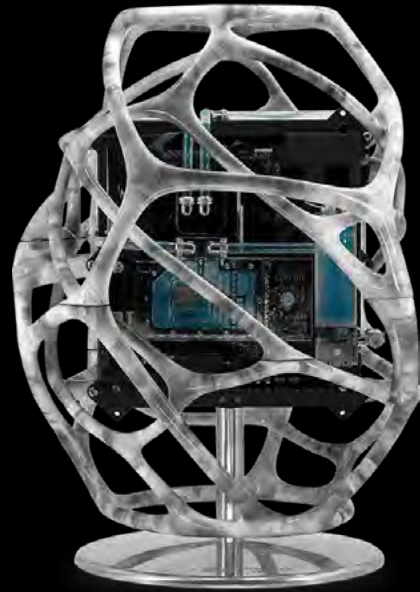


XPG Gaming Cockpit for Computex Show. Commissioned by ADATA Group. Designed by GEEZ! Studio, 3D printed and implemented by SID Installation Art.



Custom Chassis for Gaming & Computers

SID Installation Art



Commissioned by InWin Inc.
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Technological Benefits



Produce Full-Scale, Complex Parts at Phenomenal Speed

The Massivit 3D portfolio of large-scale 3D printing systems offers a new league in production speed, geometry freedom, and outstanding quality to the entertainment market. This innovation is founded on the company's advanced Gel Dispensing Printing (GDP) technology, unique photo polymer materials, and user-friendly, sophisticated software.

CNC Versus Large-Scale 3D Printing



Why CNC Fabricators are Adopting Large-Format 3D Printing

CNC technology has been around since the 1950s. Even with the evolution of multiple additional axes, it presents manufacturing constraints when it comes to complexity, scale, and speed.

Massivit 3D printing solutions fill this gap:

Size. Unlimited.

Speed. Massivit 3D printers cut overall production time by 50%.

Complexity. No axes means unlimited geometry freedom and creativity. Print any shape or undercut with ease.

Workshop Space. Drastically less raw materials to store. Zero waste.

Ease of Use. Setup is faster and simpler on Massivit 3D printers. No clean-up is required.

“After several years of declining projects - largely due to the manufacturing constraints of CNC machining - we decided to create a dedicated division with in-house 3D solutions that could rectify this issue. Now, regardless of the scale and complexity of the application, we are able to meet our customers' demands. This is a real game-changer for us and importantly means that we're no longer having to turn business away.”

— Eric Pessarossi, CEO,
Deko 3D by Sepia



“The software skills required to run CNC machines are very high and the CNC setup is very complex. A lot of time is wasted preparing the files before starting each job. Our Massivit 3D printer and its Massivit Smart Slicer make it much easier to work. The production itself is also much faster: between ½ to 1/3 of the time it takes us on our CNC machine, especially when it comes to complex shapes that need to be split into parts on CNC.”

— Hussain Khalfan,
Director of Operations, Big Apple Visual

Advanced Materials for a Range of Needs

Unique, thermoset, photo polymer materials enable outstanding speed, extraordinary production size, impact resistance, and transparency.

DIMENGEL 110

Developed for use with the Massivit 5000 industrial-grade 3D printer, DIM 110 enables high-definition 3D printing of solid objects, straight off the printer.

DIMENGEL 100

DIM 100 foundational proprietary material enables high-speed production of large models. Like DIM 110, DIM 100 facilitates production of support-less, non-vertical parts, tops, and ceilings.

DIMENGEL 90

DIM 90 is a cost-effective derivative of DIM 100, offering the same wide range of applications and finishing options aside from internal illumination.

DIMENGEL 300

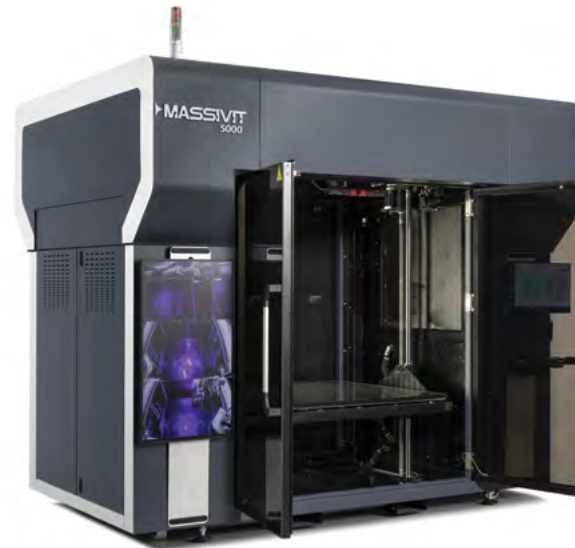
DIM 300 offers transparency suitable for production of illuminated scenic displays and advertising applications, interior design, architecture, and prototypes.

DIMENGEL 400

The strongest and toughest of Massivit's high-performance GDP materials, Dimengel 400 offers high impact resistance making it ideal for the most demanding functional prototyping and custom manufacturing. Print large, complex parts that can withstand elevated temperatures.

CIM 84

CIM 84 is a fire-rated 3D printing resin, available for use with the Massivit 10000 series. Demanded by top theme parks and retail environments, CIM 84 ensures compliance with ASTM E84 Class A fire rating. It enables high-speed production of large, flame-retardant displays, characters, and scenery.



Large-Scale Fabrication at Unprecedented Speed

Massivit's printing technologies allow production of full-scale, complex parts within hours instead of days or weeks.

GDP Build Volume:

1450 x 1110 x 1800 mm /
57" x 44" x 70"

Speed:

300 mm/sec linear speed
35cm/13.7" on Z axis per hour
(Printing speed for 1-meter
diameter cylinder)

GDP Layer Thicknesses

0.5 mm | 0.8 mm | 1 mm
| 1.3 mm | 1.5 mm
as well as a range of
printing modes.



Massivit 3D Printing Technologies Ltd. www.massivit3D.com (Tel Aviv Stock Exchange: MSVT) is the leading provider of large-scale 3D printing systems for the Manufacturing, Architecture, Scenic Fabrication, and other industries. Massivit 3D's solutions enable ultra-fast, cost-effective production of large parts, molds, and prototypes - paving a new category in additive manufacturing. Founded in 2013, Massivit 3D is headquartered in Lod, Israel and provides its customers across 40 countries with end-to-end services, supported through a global dealer network.

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