



# 3D Printers Product catalogue

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# GALAXY 6 PLUS

NO COMPROMISES FOR YOUR MOST AMBITIOUS PROJECTS

## The format that was nonexistent

Galaxy 6 PLUS is a medium-format professional 3D printer. It is exceptionally fast, precise, and compact, tailored for laboratories and studios. By electronically controlling the resin temperature and print volume, the printer achieves remarkable reliability and performance. Galaxy 6 PLUS is also manufactured by various 3D printers utilizing specially developed, predominantly biodegradable materials. Furthermore, the Light Box 2 is the UV chamber designed for integration with the printer. Simply press a button, and polymerization commences: an efficient and rapid method to finalize the post-treatment cycle.

## FOCUS



### DYNAMIC PROFILE

The layers are printed under optimal conditions due to the implementation of this technology. Each printing parameter is automatically refined layer by layer to guarantee the highest possible outcome in terms of speed, precision, and reliability.



### USER-FRIENDLY

Once connected to the network, whether through cable or Wi-Fi, you can effortlessly access the printer's operational interface using a browser like Google Chrome or Edge.



### THERMAL INSULATION

The machines are distinguished by their low thermal conductivity, which guarantees superior thermal and acoustic insulation capabilities. This feature contributes to a reduction in energy consumption.



### REMOTE ASSISTANCE AT ANY TIME

Dynamic profiles are cutting-edge algorithms developed by 3D Business engineers to enhance printing efficiency based on the specific type of resin utilized. These sophisticated algorithms automatically optimize printing parameters to achieve perfection, layer by layer, thereby ensuring maximum speed, precision, and reliability throughout the process.

## Consistent temperature ensures precise prints.

The eco-friendly method enables the utilization of all heat generated by the LEDs to warm the resin and sustain appropriate temperatures within the printing chamber. When the heat output of the LEDs is inadequate, an active heating element activates, ensuring that the target temperature is consistently maintained.

## Power slab

POWER SLAB is an innovative technology that utilizes specialized high-temperature LEDs to generate an exceptionally high density of UV energy while simultaneously recovering all heat produced by the LEDs. This heat is directed to warm the resin and the print volume. A unique duct system, combined with an advanced algorithm, ensures that all temperatures consistently align with the specified levels for the resin loaded into the printer. The Galaxy 6 Plus is equipped with a 4K printing display that achieves a pixel size of merely 30 microns, or 0.03 mm.



### ACCESSORIES: VAT REST 2 HT

With Vat Rest 2, you consistently maintain the quality of your resin derived from waste. A key advantage of the VAT REST 2HT is its capability to preheat and mix the resin directly within the tray, eliminating the need for removal. This feature is essential as it enables time savings and minimizes the risk of contamination.



## Why choose the GALAXY 6 PLUS?



- ↗ Rapid (decreases printing time by 50% to 70%)
- ↗ Precise (significantly diminished print defects in essential areas)

# GALAXY 6 PLUS

NO COMPROMISES FOR YOUR MOST AMBITIOUS ENDEAVORS



**GALAXY 6 PLUS**

cod. 3DB-GALAXY 6 PLUS

[Find out on the site](#)



**ACCESSORIES:**  
VAT REST 2HT

## TECHNICAL SPECIFICATIONS

Packaging specifications and mass	40 x 40 x 60 cm 10.5 kg
Dimensions and Weight	29 x 27 x 52 cm 7.5 kg
Technology	LED-LCD Multi-Screen Large Area
LCD Specifications	6.6 inches, 4K, monochrome
LCD resolution	4098 x 2560 4K MONO (open cell)
Print volume.	143 x 89 x 160 mm
Pixel dimensions	35um
Detachment technique	ULTRA-FEP
Temperature assessments	Resin and volume maintained at a regulated temperature
Software	Spreent 3D/Exocad integration + Integrated Model Creator
Interface	7" web-based touchscreen display
Drive	Microstepper 1.2 micron
Axis Z	HIWIN linear guide system
UV source	MONO LED, dual parallel correction lens
Wavelength	385/405nm
Connections	WI-FI and USB
Biocompatible resins	Open system compatible with all 405 nm resins
Cooling	SUPER SILENT Technologies
Slicing technique/slicer	Incorporated into the printer
Internal storage	64 GB (Note 1 TB)

# LIGHT BOX 2

THE LARGEST FORMAT, FEATURING THE HIGHEST SPEED.

## Quick and user-friendly

The UV Light Box 2 cabin employs cutting-edge double Power Slab technology. With its dual UV light source, it enables the post-treatment of high-performance 3D prints in just 5 minutes, markedly enhancing their durability and uniformity. User-friendly; after setting the digital timer to your desired value, simply press the START button. The value will be retained in memory for all future treatments.

## The largest format, featuring the highest speed.

Thanks to concentrated light technology, the cabin does not emit UV rays into the environment, even when the door is wide open. All UV rays are directed solely towards the interior of the cabin. The powerful concentrated double light beam, with a dispersion angle approaching zero, strikes the objects to be treated with exceptional intensity. This enables the photons and the energy they carry to penetrate deeply into the object, ensuring rapid and thorough polymerization.

Through the efficient double Power Slab technology, all heat produced by the LEDs is directed into the polymerization chamber, enabling the model to be treated at an optimal temperature of up to 80°C with maximum speed. The UV source, positioned at a right angle, distributes UV light across the entire internal surface. Coupled with the innovative rotating plate, Light Box 2 ensures uniform and fully resistant polymerization of the print.

Furthermore, the concentrated double beam light facilitates deeper photon penetration, resulting in more stable, durable, and precise prints over time.

Light Box 2 is designed to be stackable with our exclusive bathtub boxes, offering a compact configuration and all the convenience you require, readily accessible.

Vat Rest is, in fact, the designated container of 3D Business, specifically engineered to conveniently store all resin utilized in 3D printing. Consequently, the resin will remain homogeneous and prepared for any future applications. Within Vat Rest, there is also a dedicated compartment for storing all your tools, designed to accommodate every requirement. Light Box 2 emerged from 3D Business research as a state-of-the-art technical product featuring an innovative concept. Like the entire 3D Business product line, Light Box 2 is entirely constructed using materials developed for other 3D printers, which are fully biodegradable and resistant to UV rays.

This innovative decision has resulted in the development of a product that is efficient and highly optimized for reliability, compactness, and quiet operation. Additionally, the durable and lightweight construction is shock-resistant.

## FOCUS



### COMPACT

The compact container designed for the storage of all the trays. Light Box 2 is designed to be stackable with our exclusive bathtub boxes, offering a compact design and all the convenience you require.



### ACCESSORIES: VAT REST 2HT

Save time and money with Vat Rest offers a groundbreaking solution to streamline your 3D printing workflow.



### GREEN

A machine constructed from 95% biodegradable materials, designed for eco-sustainable production with minimal environmental impact.



### QUICK AND USER-FRIENDLY

In merely five minutes, it enables you to effortlessly post-treat a high-performance 3D print.



### INNOVATIVE

A state-of-the-art technical product featuring an innovative concept, Light Box 2 is wholly fabricated from specially engineered materials that are resistant to UV rays and provide thermal and acoustic insulation.



### RESISTANT AND PRECISE

Furthermore, the concentrated double beam light facilitates deeper photon penetration, resulting in more stable, durable, and precise prints over time.



## Why choose the LIGHTBOX 2?



↗ Elevated polymerization velocity

↗ Silent

↗ User-friendly

↗ Sustainable

↗ Compact

↗ Resistant

↗ Reliable

# LIGHT BOX 2

THE MOST EXTENSIVE FORMAT, FEATURING THE GREATEST SPEED.



**LIGHT BOX 2**

cod. 3DB-LIGHTBOX2

[Find out on the site](#)

## TECHNICAL SPECIFICATIONS

Packaging specifications and mass	30 x 30 x 50 cm 4.5 kg
Dimensions and weight of the UV cabin	20 x 20 x 32 cm 2.6 kg
External footprint	200x200h320 mm
Internal capacity and measurements	7.5 liters / 180x180 h210 mm High working volume to footprint ratio
Structure	Constructed entirely from recyclable and UV-resistant materials
Cooling	Ultra-quiet active ventilation systems
UV LED Power	2x80W featuring Power Slab technology
Heating	Passive up to 80 degrees Celsius
Screen	LED, programmable timer 1-999 min
Type of Polymerization	405 nm concentrated energy monoband
Machine classification	UV Curing Booth   Single-Button Operation
Note	High energy efficiency is achieved through heat recovery produced by the LEDs

## ACCESSORIES: VAT REST 2HT



# MIXER

## THE FIRST MIXER THAT SIMULTANEOUSLY MIXES AND HEATS THE RESIN

### The groundbreaking resin mixer that was previously absent.

This is an advanced UV resin mixer. UV resins are increasingly becoming chemically sophisticated, necessitating greater attention to their preparation for printing.

Thanks to a stream of heated air, the Mixer rapidly warms the resin. This facilitates the blending of heated and fluidized molecules, allowing them to come into close contact through a gentle rolling motion.

The exclusive heating system enables the resin to attain the appropriate viscosity prior to printing. A sustained, gentle mixing action facilitates contact among the resin molecules without generating bubbles. Once the resin bottle is positioned within the operational machine, it will be prepared for use within a few minutes, aided by the heating effect of the blown air. The temperature can be adjusted via a digital thermostat, ranging from 0°C to 45°C.



MIXER

cod. 3DB-MIXER-1

[Find out on the site](#)

### TECHNICAL SPECIFICATIONS

Dimensions and weight of the mixer. 19 x 32.5 x 17 cm 2.4 kg

Packaging specifications and mass 25x35x23 cm 3.5 kg

Internal volume measurements Max. diameter 130mm Max. height 255mm

Energy Isolated power supply 12V 5A

Average consumption 0,025KWh

Maximum temperature

## FOCUS



### REDUCTION OF CARBON DIOXIDE EMISSIONS

Innovation in 3D business production processes has resulted in a reduction of CO2 emissions by one-tenth compared to conventional 3D printers available in the market, paving the way for a more sustainable future.



### RESIN MIXING

Mixer 1 can accommodate all bottles measuring up to 260mm in length and 130mm in diameter, regardless of their shape.

Thanks to the universal adapter, you can prepare any bottle for printing, including square ones. The adapters can subsequently be stored in the convenient side compartment.



### DOES NOT INCLUDE AIR

By rotating the resin bottles, Mixer 1 guarantees optimal mixing while preventing the incorporation of air. This obviates the necessity to wait for air bubbles generated by manual agitation to dissipate. Additionally, it minimizes the exposure of the resin to air, which could rapidly undermine its quality.



### Why choose the MIXER?



🦷 Essential

🦷 Easy

🦷 Fast

🦷 Compact

# NEW RESINS PRINTERS 3D



New high-precision UV resins for impeccable results compatible with most LCD and DLP 3D printers, designed to offer maximum detail and reliability. Temporary and Surgical Guide resins are biocompatible and designed to ensure excellent performance on all our 3D printers Made in Italy, with a commitment to sustainability.



## UV RESIN FOR MODELS 1 KG

### WATER WASHABLE MODEL UV RESIN GRAY

Engineered to guarantee exceptional precision in the dental workflow, **the Compact Water Washable Model** delivers ultra-defined details and impeccable surfaces. Its water-based cleaning process eliminates the necessity for solvents, enhancing safety and environmental sustainability. Featuring superior adhesion to the build platform, it is perfectly suited for producing accurate and dependable dental models.

## UV RESIN FOR MODELS 1 KG

### UV RESIN FOR DENTAL MODELS ALMOND

Optimized for the production of high-precision dental models, **Compact Model Pro** delivers an exceptional finish for accurate scans. It ensures outstanding print reliability, smooth surfaces, and optimal machinability, making it suitable for dental models of all sizes while maximizing printing speed.



## UV RESIN FOR SURGICAL GUIDES, 0.5 KG

### SURGICAL GUIDE UV RESIN TRASPARENTE

Engineered for the production of highly-accurate surgical guides, **Compact Guide** provides exceptional transparency and technical accuracy. Its formulation ensures resistance to bending and fracture, thereby guaranteeing a precise and dependable fit for directing implant instruments in dental surgery.

## UV RESIN FOR ORTHODONTICS, 1 KG

### UV RESIN FOR ORTHO MODELS GRAY

Developed for the creation of durable and intricate orthodontic models, **Compact Ortho Model** offers exceptional surface hardness, abrasion resistance, and superior ease of printing and polymerization. It ensures the production of robust and dimensionally stable models, thereby enhancing the efficiency of the manufacturing process in dental laboratories.





UV RESIN FOR TEMPORARY USE, 0.5 KG

#### **TEMPORARY C&B UV RESIN A2**

Compact Temporary is a biocompatible material designed for creating temporary crowns and bridges. It combines outstanding mechanical strength with a natural tooth-like appearance, ensuring both functionality and comfort. Thanks to its precise fit and durability, it provides a reliable temporary solution before the final prosthesis is placed.

Colors: A2

UV RESIN FOR TEMPORARY USE, 0.5 KG

#### **TEMPORARY C&B UV RESIN A3**

Designed for the fabrication of temporary crowns and bridges, Compact Temporary is biocompatible and provides exceptional mechanical strength along with the aesthetics and coloration of natural teeth. It is ideal for functional and comfortable temporary restorations, ensuring optimal fit and an extended lifespan prior to replacement with the definitive prosthesis.

Colors: A3



**3DB**  
THINK GREEN THINK FUTURE  
MADE IN ITALY



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