

ZENESIS is the world's first DLP 3D bioprinter that prints directly onto Slide Glass, achieving 144x higher productivity compared to manual methods. With pressure-free cell printing technology, it maintains high precision and outstanding cell viability, accelerating R&D in oncology, regenerative medicine, and more for pharmaceutical companies, research institutions, and biotech firms.



High-Speed Printing = High Productivity

- Capable of outputting 300+ samples per minute
- 144x higher productivity compared to manual work



Exceptional Precision (DLP Technology)

- 50µm output resolution
- Accurate placement in culture well chambers



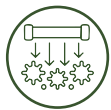
Stable Biocompatibility (Over 90%)

- Pressure-free 3D printing of cells
- High Viability, Perfect Culture & Differentiation



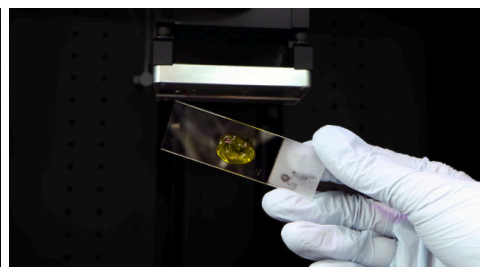
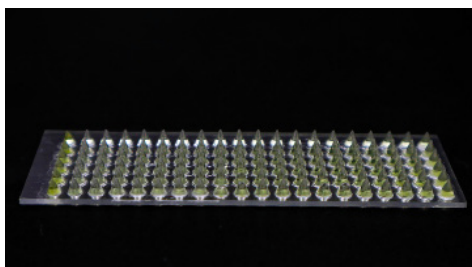
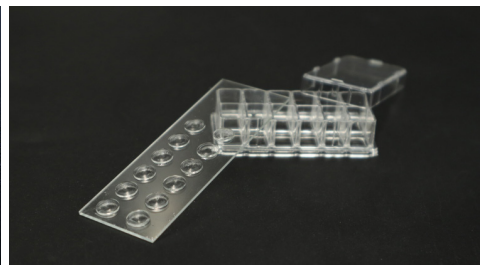
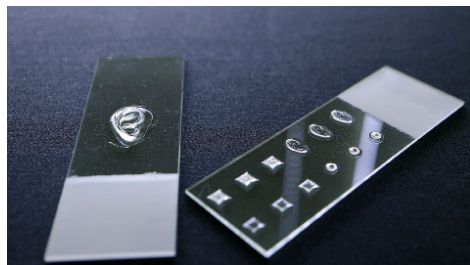
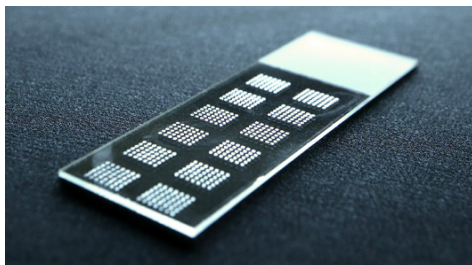
Open Printing Layout

- Compatible with various well chamber products
- Managed via CARIMA Slicer V2 software



Automatic Sterile Environment Maintenance

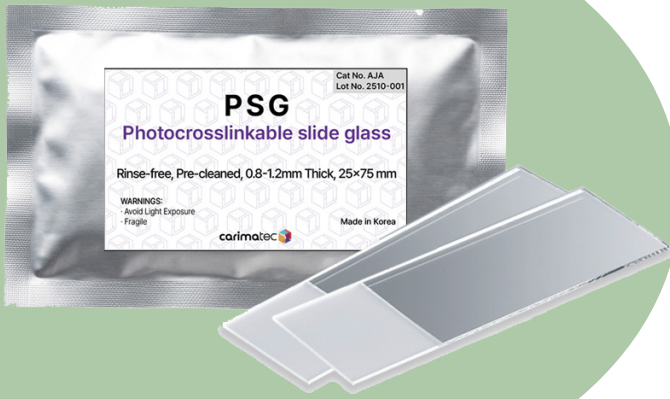
- Built-in UV sterilization function minimizes cell contamination risk automatically



Build Volume	Slide Glass Type (75x25x100mm)
Pixel Size	50µm
Layer Thickness	25, 50, 100µm
Light Source	385nm UV LED

Resolution	FHD 1,920x1,080
Dimensions / Weight	391 x 405 x 589mm / 18.5kg
Software	CARIMA Slicer V2
Electrical Specification	DC 24V 5A with Adaptor

ZENESIS dedicated smart consumables are an innovative bioprinting solution designed to maximize research efficiency. Pre-prepared bio-ink and specialized slides eliminate cumbersome processes, providing an optimal environment so researchers can focus exclusively on their core research.



Special Coating Slide Glass
Photocrosslinkable Slide Glass(PSG)



Bio Ink
EZ-preBioink pack

Individually packaged freeze-dried bio-ink(EZ-preBioink) ensures rapid experiment preparation free from contamination, while the Photocrosslinkable Slide Glass features CARIMATEC's proprietary coating that provides the optimal surface for stable adhesion of printed constructs.

This enables a seamless workflow transition from material preparation to observation, allowing researchers to obtain precise results faster and more conveniently.



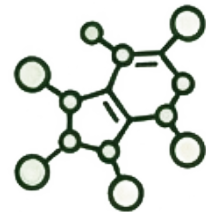
**Streamlined
Workflow**



**Rapid
Preparation**



**Sterile
Packaging**



**Stable Chemical
Adhesion**

