

VISITECH INTRODUCES FIRST-EVER 8K DLP UV PROJECTOR

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DRAMMEN, NORWAY: Offering 8K resolution with proprietary next-generation illumination technology, Visitech's newest LRS-8KA projector provides machine builders with up to 4x improvement in productivity.

At Formnext, you can see and experience how this compact and powerful subsystem will be in the heart of future production SLA 3D printers.

Next-generation UV power

Visitech has developed its sixth-generation LED illumination solution, providing superior power output for maximum printing speed. The sophisticated driver design maintains constant power dosing throughout the operation. A complete, liquid-cooled thermal solution further provides the necessary heat management of critical components while mitigating the incursion of dust particles into the optical system. In addition, the compact, modular design is designed for easy replacement, simplifying maintenance routines in industrial settings.

“We see the LRS-8KA empowering the next generation of SLA machine designs through our superior optics, mechanics, and electronics”, says Alfred Jacobsen, Managing Director of Visitech Engineering.

Visitech pioneered scrolling DLP additive manufacturing, and we continue our leadership by providing our customers with the highest-performance technology for their applications.

Alfred Jacobsen, Managing Director

32 million addressable pixel positions

The power-packed projector uses a customized optical actuator to shift the image of a DLP device four times per exposure, resulting in 32 million addressable pixel positions. This extended-resolution image processing allows next-generation SLA printers to expand their build areas or enhance the system resolution.



Scrolling machines

Visitech also offers the LRS-MCx 4K solution for large-area solutions, which employs a native 4K DMD. Using a similarly narrow footprint as the LRS-MCx-HD, multiple units can be stacked side-by-side on a motion system achieving a high-capacity production machine. Control is achieved by Visitech's LAMA STANDARD software package and API, allowing the choice of any motion controller.