

LITHOSCALE Maskless Exposure System from EV Group Wins 2021 Best of West Award – January 3, 2021



The LITHOSCALE® maskless exposure system from EV Group (EVG) has won the 2021 Best of West award, SEMI and Semiconductor Digest announced today at SEMICON West 2021 Hybrid, December 7-9 at the Moscone Center in San Francisco. EVG is a leading supplier of wafer bonding and lithography equipment for the MEMS, nanotechnology and semiconductor markets.

Presented by SEMI and Semiconductor Digest each year, the Best of West award recognizes innovative new products or services that are significantly advancing the electronics manufacturing supply chain or a particular manufacturing capability.

LITHOSCALE is designed to address backend lithography needs for markets and applications requiring a high degree of flexibility or product variation, including semiconductor advanced packaging, MEMS, biomedical and PCB manufacturing. The first product platform to feature EVG's revolutionary MLE™ (Maskless Exposure) technology, LITHOSCALE combines high-resolution (<2 microns L/S) with no exposure field limitations, powerful digital processing that enables real-time data transfer and immediate exposure, and a highly scalable design that supports high-volume manufacturing.

The system's high precision is matched by distortion-free high-intensity optics and subnanometer-range stage motion accuracy, which ensures seamless projection across the entire substrate. LITHOSCALE also employs dynamic alignment modes and die-level compensation with automatic focus in order to adapt to the substrate material and surface variations. The result is the world's first maskless lithography system for high-volume manufacturing (HVM) with up to a 5X increase in throughput compared to existing maskless exposure systems in the market.

"Semiconductor manufacturers have long relied on the ingenuity of equipment suppliers such as EV Group to make chips smaller and faster," said Pete Singer, Editor-in-Chief of Semiconductor Digest. "The LITHOSCALE maskless exposure systems is a great example of the know-how that's on display at SEMICON West this year."

The EVG Group will receive the Best of West award today at SEMICON West 2021 Hybrid.

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