

PMT orders EV Group's maskless lithography system for manufacturing advanced memory wafer probe cards - January 24, 2024

PMT has ordered a LITHOSCALE® maskless exposure system from EVG. The LITHOSCALE system will be installed at PMT's headquarters in Asan-si, Chungcheongnam-Do, South Korea, where it will be used in the production of next-generation MEMS-based probe cards for wafer-level testing of advanced NAND, DRAM and HBM devices. MEMS manufacturing in particular poses challenges for lithography due to its complex product mixes, which drive up mask overhead costs. LITHOSCALE's mask-free approach eliminates mask-related consumables, addressing the demand for low-cost-of-ownership patterning in wafer probe card manufacturing. In addition, LITHOSCALE's high depth of focus and high resolution (sub-2-micron L/S) enables maskless patterning of dense redistribution layer (RDL) and via connections, which supports technology scaling for fine-pitch probe cards.

