

EVG announces NanoCleave™ layer release technology for advanced semiconductor processes – September 22, 2022

EVG introduced NanoCleave™, a revolutionary layer release technology. NanoCleave enables silicon wafer carriers in advanced packaging processes such as Fan-out Wafer-level Packaging (FoWLP) using mold and reconstituted wafers as well as interposers for 3D Stacked ICs (3D SIC). At the same time, its compatibility with high-temperature processes enables completely novel process flows for 3D IC and 3D sequential integration applications – enabling hybrid and fusion bonding even of ultra-thin layers on silicon carriers, thereby revolutionizing 3D and heterogeneous integration as well as material transfer in next-generation scaled transistor designs.

