

EV Group announces NanoCleave layer release new technology revolutionizing 3D Integration for advanced packaging and transistor scaling – January 30, 2024

EVG introduced NanoCleave™, a revolutionary layer release technology for silicon that enables ultra-thin layer stacking for front-end processing, including advanced logic, memory and power device formation, as well as semiconductor advanced packaging. NanoCleave is a fully front-end-compatible layer release technology that features an IR laser that can pass through silicon, which is transparent to the IR laser wavelength. Coupled with the use of specially formulated inorganic layers, this technology enables an IR laser-initiated release of any ultra-thin film or layer from silicon carriers with nanometer precision



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