

EV Group announces new technology revolutionizing 3D Integration for advanced packaging and transistor scaling – January 31, 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. Enabling silicon carriers with inorganic release layers avoids these temperature and glass carrier compatibility issues. In addition, the nanometer precision of IR laser-initiated cleaving opens up the possibility of processing extremely thin device wafers without changing processes of record. EVG's new NanoCleave technology utilizes an IR laser and inorganic release materials to enable laser debonding on silicon with nanometer precision

