



PRESS RELEASE

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FOR IMMEDIATE RELEASE
February 14, 2022

TechSearch International's Analysis Shows Build-up Substrate Shortage Could End in 2026

The shortage of build-up substrates will be worse this year than in 2021, and the gap between supply and demand looms even larger in 2023. Many substrate makers are adding capacity, but it takes time because of long lead times for equipment and construction of new buildings. By 2026 supply is expected to be inline with demand, unless substrate body sizes increase more than projected. The industry is looking for ways to address the interim situation, including yield improvements, switching to alternative substrates such as mSAP for lower layer counts, and designs with smaller body size.

TechSearch International provides an analysis of the status and challenges for 3D hybrid bonding for chiplets. The report highlights critical areas for this transformational technology.

The Electric Vehicle (EV) market is heating up and sales could reach 14 million vehicles. Demand for automotive-grade, legacy packages (such as SO, TO, and QFP) are project to see a 20% CAGR from 2025-2030. With the move to 800V inverters, the use of SiC is projected to increase. Higher voltages will require new packages and materials. The report also discusses battery makers and the status of materials that are used for EV battery production.

Snags in the U.S. 5G rollout are discussed including a discussion of C-band. The report also provides an analysis of the OSAT financials with rankings for the top 20 companies.

The latest APU is a 52-page report with full references and an accompanying set of 60 PowerPoint slides.

TechSearch International, Inc., founded in 1987, is a market research leader specializing in technology trends in microelectronics packaging and assembly. Multi- and single-client services encompass technology licensing, strategic planning, and market and technology analysis. TechSearch International professionals have an extensive network of more than 22,000 contacts in North America, Asia, and Europe. For more information, contact TechSearch at tel: 512-372-8887 or see www.techsearchinc.com. Follow us on twitter @Jan_TechSearch and on LinkedIn.