

# semiconductor packaging news

EV Group and Dymek Form JV Company in Malaysia to Enhance Regional Support – May 25, 2023

## semiconductor packaging news

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May 25, 2023

### [Keeping Moore's Law Going Is Getting Complicated](#)

There was a time, decades really, when all it took to make a better computer chip were smaller transistors and narrower interconnects. That time's long gone now, and although transistors will continue to get a bit smaller, simply making them so is no longer the point. The only way to keep up the exponential pace of computing now is a scheme called system technology co-optimization ...

IEEE Spectrum



### [Copper Stud & CTE Nano Tech Underfill](#)

AIT's proven flip-chip and BGA multi-level underfills offer both 18 ppm/°C copper CTE matching fine-pitch & nano-pitch with 10 Åµm & 0.3 µm respective cut-off particles.

AI Technology



### [New Packaging FA Solutions Using Correlated X-ray Microscopy, LaserFIB](#)

New advances using LaserFIB and 3D X-ray microscopy enable targeted cross-section preparation and analysis of defects in less than five hours. Read more.

ZEISS Microscopy



### [China's chip sector needs change after OPPO setback](#)

Mystified staff members of Zeku – a fabless chip firm started in 2019 by OPPO, China's third largest smartphone company – were told on the evening of May 11 that they ...

Asia Times

### [Keys to Component Lead Tinning Success](#)

The motivation behind component lead tinning is to facilitate the removal of gold plating to eliminate the risk of gold embrittlement, tin whisker mitigation, or processing ...

Technical Paper

### [Nvidia shares spike 26% on huge forecast beat driven by A.I. chip demand](#)

Nvidia reported first-quarter earnings for its fiscal 2024 on Wednesday, with a stronger-than-expected forecast that drove shares up 26% in extended trading. Here's how ...

CNBC

### Technical Papers

- [Improving SiC Power Devices with Laser Ohmic Contact Formation](#)
- [Defluxing of Copper Pillar Bumped Flip-Chips](#)
- [Functional testing of 0.3mm pitch WLP](#)
- [Vacuum Fluxless Reflow Technology for Fine Pitch Interconnect Bumping Applications](#)
- [Master Advanced Packaging Inspection](#)
- [Optimized Reflow Solder TIMs Processes for Heterogeneous Packages](#)
- [Packaging Solutions for Unique Markets](#)

### [Highly Efficient PR Stripper](#)

Hybridized efficient metal lift-off and PR remover with



### [Need Tin Mitigation Services?](#)

Watch a video showing precision robotic component



### [Xyztec's virtual reality showroom](#)

Feel free to move around in the interactive xyztec showroom and discover all bondtesters and services with a mouse click. Watch product videos, brochures, and manuals. Explore xyztec!



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Which US organisation's headquarters is situated in Langley, Virginia?

See answer below.

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QP Technologies

### Press Releases

#### [EV Group and Dymek Form JV Company in Malaysia to Enhance Regional Support](#)

EV Group (EVG) announced that they have established a new joint venture company in Malaysia. The new company, called EV Group Malaysia Dymek Sdn. Bhd., will be charged ...

EV Group

#### [Imec and Brewer Science present process solutions for CVD oxide deposition processes at ECTC](#)

Brewer Science, Inc. is presenting and exhibiting at Electronic Components and Technology Conference (ECTC) May 30th through June 2nd.

Dr. Koen Kennes from imec is ...

Brewer Science, Inc.

#### [SEMI North America Advisory Board Welcomes New Members](#)

SEMI announced the election of two new members to the SEMI North America Advisory Board (NAAB): Maheen Hamid, co-founder, CFO and COO of Breker Verification Systems ...

SEMI

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**Scientech Corporation**



tinning. Fully programmable robotic hot solder dip machines control dip depth, dwell times & temps to meet GEIA-0006 standards.  
**Circuit Technology Center**



#### **LPDDR, NOR Flash Pairs to Meet Automotive Demands**

SPI NOR flash is running out of gas, at least for automotive applications, so Infineon Technologies is pairing the proven Low-Power Double Data Rate (LPDDR) interface ...  
**EE Times**

#### **Sustainability 101: It's Not Just Carbon — Reducing Greenhouse Gases**

The idea of semiconductor manufacturing becoming a trillion-dollar industry is astounding, exciting, or worrisome, depending on your viewpoint. Growth in the ...  
**3DInCites**

#### **Nanya expects chip prices to stabilize next quarter**

DRAM chipmaker Nanya Technology Corp said chip prices might stabilize next quarter, as improving inventory along the supply chain and industrywide production cuts ...  
**Taipei Times**

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**USA Fabrication**  
**Semiconductor Package Substrates**  
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#### **Automotive Relationships Shifting With Chiplets**

The automotive industry is in the midst of a tremendous and rapid change on many fronts. OEMs are exploring new functions and features to add to their vehicles, ...  
**Semiconductor Engineering**

#### **S. Korea asks US to give more leeway on chip expansion in China**

South Korea has asked the United States to reconsider details of the guardrail provision of its CHIPS Act, to ease the regulations limiting Korean chipmakers from ...  
**The Korea Herald**

#### **US lawmaker demands action against Chinese chip firm CXMT after Micron**

The US Commerce Department should put trade curbs on Chinese memory chip maker Changxin Memory Technologies (CXMT) after Beijing banned the sale of some ...  
**South China Morning Post**

#### **Do you need wafer-wands with flexible hoses?**

Our push button wafer wands turn off the air-flow when the wand is returned to the mating wand holder. Conserves factory air supply.



#### **Pristine Surfaces with Atmospheric Plasma**

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#### **Quote of the Day**

"Doubt everything or believe everything: these are two equally convenient strategies. With either we dispense with the need for reflection."  
**Henri Poincare**

#### **Epoxy Resists Chemicals/High Temp**

Master Bond EP35AOLV is a thermally conductive, electrically isolating epoxy that resists high temperatures and aggressive chemicals in harsh environments.  
**Master Bond**



#### **Undisputable decapsulation**

Artifact-free decapsulation of silver wire bonded packages using atmospheric pressure Microwave Induced Plasma (MIP). Fully automatic. 100% Reliable.  
**JIACO Instruments**



#### **What Year Was It?**

#### **Constitutional Convention Convenes**

With George Washington presiding, the Constitutional Convention formally convenes. The process began with the proposal of James Madison's Virginia Plan.

**The day was May 25. What year was it?**



#### **Improved Product Reliability**

Experience the Benefits of Reliable Sealing and Encapsulation for Your Devices. We have a wide range of hermetic and non-hermetic sealing options for every application.  
**Golden Altos Corporation**



#### **Permanent Bonding Material**

In this paper, a novel negative-tone,



Virtual Industries, Inc.

Ontos Equipment Systems

### Apple and Broadcom sign multi-year deal to develop made-in-USA chips

In a bid to diversify away from chips made in Asia, Apple announced a multi-billion-dollar multi-year deal with Broadcom to help the latter develop chips made in the US. ...

Digitimes



photosensitive, polymeric bonding material is proposed that can be used as a dielectric enabling polymer/metal hybrid bonding.  
**Brewer Science**

### Cartoon of the Day



"You're entitled to one week paid vacation if you bring your laptop with you and never turn off your cell phone."

Copyright © Randy Glasbergen

### Calendar

- [May 23, 2023: SEMICON Southeast Asia 2023](#)
- [May 30, 2023: 2023 IEEE 73rd Electronic Components and Technology Conference](#)
- [Jun 1, 2023: Overview of semiconductor manufacturing webinar for European attendees](#)
- [Jun 5, 2023: Overview of semiconductor manufacturing Webinar for Asian Attendees](#)

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#### Test Your Knowledge Answer

Which US organisation's headquarters is situated in Langley, Virginia?  
Answer: The CIA

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