

# semiconductor packaging news

EV Group and Dymek Form JV Company in Malaysia to Enhance Regional Support – May 26, 2023

## semiconductor packaging news

We search for industry news, so you don't need to.

### Full automation bond testers

A Sigma eliminates human error and comes with game-changing automation capabilities, robotic handlers, and smart vision cameras for operator-free bond testing and analysis. Learn more.



**xyztec**

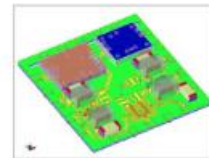
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May 26, 2023

### Chiplet Planning Kicks Into High Gear

Chiplets are beginning to impact chip design, even though they are not yet mainstream and no commercial marketplace exists for this kind of hardened IP. There are ongoing discussions about silicon lifecycle management, the best way to characterize and connect these devices, and how to deal with such issues as uneven aging and thermal mismatch. In addition, a big effort is underway to improve ...

**Semiconductor Engineering**



### View Recorded Webinar

Novel "Clean Peel-Release" high shear bonding wafer processing adhesive to 350°C.

WEBINAR: "Multiplying Wafer Processing Throughput with Novel Wafer Processing Adhesives" View now.

**A.I. Technology, Inc.**



### Transform Your Sample Prep with LaserFIB

Rapidly access deeply buried features with precise targeting. Get site-specific cross-section results in minutes to hours. How? Watch our webinar. **ZEISS Microscopy**



### Global Semiconductor Packaging Materials Market to Near \$30 Billion by 2027

Powered by strong demand for new electronics innovations, the global semiconductor packaging materials market is expected to reach US\$29.8 billion by 2027, a compound ...

**SEMI**

### Packaging Solutions for Unique Markets

The MLF/QFN packaging technology is the fastest-growing IC packaging solution today. From a market segment perspective, MLF/QFN packaging solutions represent a >111B-unit ...

**Technical Paper**

### Semiconductor: Chip nationalism is a 'blessing,' SEMI CEO says

The semiconductor industry represents the world's most essential and coveted technology. Semiconductors comprise the "brains" for everything, from mobile phones, ...

**Techwire Asia**

### 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](#)

### Do thin wafers have you frazzled?

Our new ADJUST-A-VAC allows you to reduce the vacuum pressure from just below atmospheric pressure to up to ten inches of mercury. A LED bar display shows the vacuum level.

**Virtual Industries, Inc.**



### SEMI IS MORE ... Market Data

Explore how our Market Data products can help you make critical business decisions with confidence. SEMI's market research reports offer leading forecast-accuracy to help drive success.

**SEMI**



**[Xiaomi reaffirms commitment to proprietary chipsets after rival Oppo's recent closure of Zeku](#)**

Xiaomi has reaffirmed a commitment to developing its own chipsets after the abrupt closure of competitor Oppo's chip design unit Zeku, as the Beijing-based smartphone ...

**South China Morning Post**

**[China's Apple loss is India's gain, as 2022 supplier list shows shift in supply chain preferences](#)**

Apple added five new mainland Chinese suppliers while removing eight in mainland China in its latest financial year ended September 2022, after China's strict Covid-19 ...

**South China Morning Post**

**[The A.I. chip boom is pushing Nvidia toward \\$1 trillion, but it won't help Intel and AMD](#)**

Nvidia's stock surged close to a \$1 trillion market cap in extended trading after it reported a shockingly strong forward outlook, and CEO Jensen Huang said the company ...

**CNBC**

**Advanced Component Labs**



**USA Fabrication**


**Semiconductor Package Substrates**

**High Density Interconnects**

**12µm Feature Sets**  
**20µm Dielectrics**

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**TRESKY AUTOMATION**



Perfection in flip chip bonding

MADE IN GERMANY

**[China's memory industry resisting impact of US trade sanctions](#)**

The US government's expanded restrictions on the Chinese semiconductor industry have posed a significant challenge to the development of the local memory industry. ...

**Digitimes**

**[A Highly Wasteful Industry](#)**

The systems industry as a whole is not concerned about power. I know that is a bold statement, but I believe it to be true. The semiconductor industry is mildly concerned, ...

**Semiconductor Engineering**

**[Taiwan fab toolmakers secure LTAs from China](#)**

Taiwan-based semiconductor equipment suppliers including Gudeng Precision Industrial, E&R Engineering, Marketech International, Nova Technology (Novatech) and ...

**Digitimes**

**Thermally Conductive Silicone Compound**

Master Bond MasterSil 323AO-LO is a low outgassing silicone elastomer with a self-priming feature. It is electrically insulative and thermally conductive.



**Master Bond**

**Micro Components Engineered for EVs**

We specialize in precision micro components that enables conductivity, reliability & efficient thermal management in power supply AC/DC DC/AC, battery system, MOSFET & IGBT.



**COINING**

**[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**



### Calendar

- [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](#)
- [Jun 8, 2023: Overview of semiconductor manufacturing / Austin, TX](#)

#### Thermally Conductive Silicone Compound

Master Bond MasterSil 323AO-LO is a low outgassing silicone elastomer with a self-priming feature. It is electrically insulative and thermally conductive.



**Master Bond**

#### Micro Components Engineered for EVs

We specialize in precision micro components that enables conductivity, reliability & efficient thermal management in power supply AC/DC DC/AC, battery system, MOSFET & IGBT.



**COINING**

Today's Sponsor



#### Test Your Knowledge

If an object is hastate what shape is it?  
See answer below.

#### Open Cavity Plastic Packages (OCP)

Did you know you can develop IC prototypes in plastic packages that are mechanically and electrically identical to your future production parts? Contact us to learn how.



**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.**

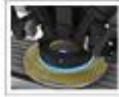
### [SEMI North America Advisory Board Welcomes New Members](#)

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**

### **NEW WX3000™ Metrology & Inspection Systems**

Increase throughput with the NanoResolution MRS Sensor that is 2-3X faster, delivering greater than 25 wafers (300mm) per hour. [Learn more.](#)



**CyberOptics by Nordson Test & Inspection**

### **Quote of the Day**

"We make a living by what we get, we make a life by what we give."

**Sir Winston Churchill**

### **Keys to Reliable Tin Mitigation**

A more reliable method to mitigate tin whiskers is the robotic hot solder dip processing of components before assembly. This white paper identifies the key process considerations. [Read more.](#)



**Circuit Technology Center**

### **Efficient Manufacture of IR Sensors**

The market for IR sensing devices has been growing steadily but the challenge is how to manufacture them efficiently to achieve ROI. [Read more.](#)



**Palomar Technologies, Inc.**

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

#### **First Published Dow Jones Industrial Averages**

The Dow Jones Industrial Average was founded by Charles Dow and represented the dollar average of 12 stocks from leading American industries.



**The day was May 26. What year was it?**

### **Our Expertise, Your Peace of Mind**

Ensure Top-Quality IC Performance with Our Reliable Assembly and Qualification Testing Services. Contact Us Today!



**Golden Altos Corporation**

#### Temporary Bonder & Debonder

Wafer support system (i) conventional process and (ii) hybrid dual bonding process executed in vacuum and applicable to, 3D IC, FOWLP, and power devices.

**Scientech Corporation**



#### Cartoon of the Day



"I am NOT sexist! I hired cheerleaders because they cost less than a motivational speaker."

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#### Better Bonds, with Atmospheric Plasma

Our Atmospheric Plasma systems prepare surfaces for direct bonding, remove residue, and prepare surfaces for adhesion. [Click Here](#) to learn more.

**Ontos Equipment Systems**



#### Test Your Knowledge Answer

If an object is hastate what shape is it?

Answer: Triangular or shaped like an arrow, with two spreading lobes at the base.

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