

# Corporate Overview





## AMKOR PHILOSOPHY

We build our business by helping our customers build theirs.

### Technology Leaders

#### WHO WE ARE

Founded in 1968, Amkor's continuous path of improvement, growth and innovation has led us to be a strategic and trusted manufacturing partner for more than 300 of the world's leading semiconductor companies. Our unique expertise in high-volume manufacturing techniques and the ability to solve the technological challenges facing the industry are among our greatest strengths.



Customer demand for highly sophisticated products has made semiconductor packaging a vital contributor to system performance. As one of the world's largest suppliers of outsourced semiconductor advanced packaging design, assembly and test services, Amkor helps make innovative technologies a reality.

#### OUR PRODUCT PORTFOLIO

Amkor offers more than 1,000 different package formats and sizes. Products range from traditional leadframe ICs for through-hole and surface mounting to the latest chip scale packages (CSP) and ball grid array (BGA) solutions required in high pin count and high density applications.

Our diverse portfolio includes stacked die, wafer level, MEMS, flip chip, Through Silicon Via (TSV) and 2.5/3D packaging, allowing us to be a single source for many of our customers. We fulfill total semiconductor packaging requirements from legacy devices to System in Package (SiP) solutions. The availability of high quality packaging services allows customers to focus their resources on semiconductor design and wafer fabrication while utilizing Amkor as their packaging technology innovator and test partner.

#### SPEEDING TIME TO MARKET

Amkor's operations encompass more than 11M ft<sup>2</sup> of floor space with production facilities, product development centers, sales and support offices strategically located in key electronics manufacturing regions. Our customers benefit from our extensive global footprint, enabling us to easily handle large orders and offer quick turnaround times.

#### SEMICONDUCTOR IC PACKAGE DESIGN SERVICES

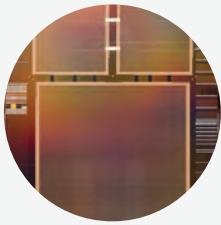
Amkor works closely with substrate and software suppliers to drive next generation package design. Our design engineers are trained experts and experienced in the latest design tools and packaging technology. This enables our World Class Design Centers to reduce design cycle times and provide expert advice.

# Products and Services

## PACKAGING

Consumers are demanding greater functionality and performance in a smaller space at a lower cost. Amkor is an industry leader in finding semiconductor packaging solutions to meet these complex requirements.

### FEATURED PRODUCTS INCLUDE



#### 2.5/3D – THROUGH SILICON VIA

Through Silicon Via (TSV) interconnects serve a wide range of 2.5D and 3D packaging applications and architectures. TSV meets high performance, low energy demands.



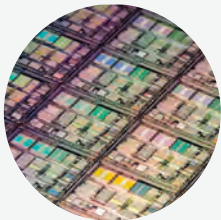
#### FLIP CHIP

Amkor is committed to being the leading provider of flip chip technology. Flip chip production capability is available in our Korea, Taiwan and China factories.



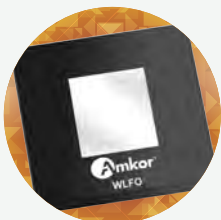
#### POWER DISCRETES

Optimized for power sensitive and mobile applications, Amkor's high-performance power discrete devices include advanced power packaging, advanced copper clip attach and modules.



#### SYSTEM IN PACKAGE (SiP)

Industry demands for higher levels of integration and lower costs coupled with a growing awareness of complete system configuration drive the popularity of System in Package (SiP) solutions.



#### WAFER LEVEL PACKAGING

Amkor offers a broad array of wafer level packaging capabilities and processes for packaging schemes from fan-out to chip scale to 3D to System in Package (SiP).

## ASSEMBLY

With global high-volume manufacturing, Amkor assembles a broad portfolio of packaging solutions including wirebond and flip chip using Pb-free and green packaging.

## FINAL TEST SERVICES

Amkor provides a complete range of semiconductor test services including various types of final, system level, wafer and strip testing and complete end-of-line services up to and including final shipping.



## LOGISTICS AND INVENTORY MANAGEMENT

We provide customers around the world with the electronic components they need to grow their businesses. Amkor offers tape & reel, dry pack and warehousing services with the ability to drop ship products worldwide.

## PREPARING FOR THE FUTURE

As the industry moves aggressively to advanced technologies such as 3D stacking of integrated circuits, the complexity of chip package interaction is increasing significantly. Companies look to Amkor to deliver end-to-end solutions that meet the requirements of a broad range of product designs.

# Global Technology Leadership

## CORPORATE HEADQUARTERS

**Amkor Technology, Inc.**  
2045 E Innovation Circle  
Tempe, AZ 85284  
USA  
Tel: 480.821.5000  
Fax: 480.821.8276

**Dallas, TX**  
**Amkor Technology, Inc.**  
1101 Central Expressway  
South, Suite 215  
Allen, TX 75013  
Tel: 469.342.9964  
Fax: 469.342.9956

**Amkor Technology Shenzhen**  
Taiping Finance Tower  
No. 6001 Yitian Road,  
Unit 1402, Level 14  
Futian District, Shenzhen 518048  
Tel: 86.755.3290.0418  
Fax: 86.755.3290.0400

## US SALES OFFICES

**San Jose, CA**  
**Amkor Technology, Inc.**  
25 Metro Drive, Suite 700  
San Jose, CA 95110  
USA  
Tel: 408.496.0303  
Fax: 408.496.0392

**Irvine, CA**  
**Amkor Technology, Inc.**  
16795 Von Karman Avenue  
Suite 260  
Irvine, CA 92606  
Tel: 949.724.9370  
Fax: 949.724.8925

**San Diego, CA**  
**Amkor Technology, Inc.**  
5465 Morehouse Drive  
Suite 210  
San Diego, CA 92121  
Tel: 858.320.6280  
Fax: 858.622.1841

**Boston, MA**  
**Amkor Technology, Inc.**  
105 Central Street  
Suite 2300  
Stoneham, MA 02180  
Tel: 781.438.7800  
Fax: 781.438.8414

**Austin, TX**  
**Amkor Technology, Inc.**  
8140 N. Mopac  
Suite 150  
Austin, TX 78759  
Tel: 512.953.0701  
Fax: 512.953.0717

## EUROPEAN SALES OFFICES

**Amkor Technology**  
**Euroservices s.a.s**  
Archamps Technopole  
60 Avenue Marie Curie  
74160 Archamps  
France  
Tel: 33.4.50.31.88.00  
Fax: 33.4.50.31.88.01

**Amkor Technology Holding**  
**B.V., Germany**  
Werner-Eckert-Straße 8  
81829 Munich  
Germany  
Tel: +49 (0) 89.1241498.40  
Fax: +49 (0) 89.1241498.49

## GREATER CHINA SALES OFFICES

**Amkor Technology Beijing**  
Raycom Infotech Park, Tower C  
No.2, Kexueyuan South Road,  
Unit S1109, Floor 11  
Zhongguancun, Beijing, 100190  
China  
Tel: 86.21.50644590  
ext. 2340, 4034, 4221, 4245  
Cell: 86.186.1056.0685  
Fax: 86.21.50482522

**Amkor Technology Shanghai**  
Zhangjiang Hi Tech Park  
Bldg. E, Chamtime Square  
2889 Jinke Road  
Room #504,  
Pudong, Shanghai 201203  
China  
Tel: 86.21.50644590  
ext. 2340, 4034, 4221, 4245  
Fax: 86.21.50482522

## JAPAN SALES OFFICE

**Amkor Technology Japan, Inc.**  
Shiba-Koen Front Tower 14F  
2-6-3, Shibakoen  
Minato-ku, Tokyo 105-0011  
Japan  
Tel: 81.3.5425.2830  
Fax: 81.3.5425.2831

## KOREA SALES OFFICE

**Amkor Technology Korea, Inc.**  
4F C&S Building  
6-15, Kwangpyeong-ro 51gil  
Gangnam-gu, Seoul, 06349  
Korea  
Tel: 82.2.3412.4158

## SE ASIA SALES OFFICE

**Amkor Technology Singapore**  
**Holding Pte. Ltd.**  
Valley Point Office Tower  
491B River Valley Road  
#12-03  
Singapore 248373  
Tel: 65.6211.3333  
Fax: 65.6211.3388

## TAIWAN SALES OFFICE

**Amkor Technology Taiwan Ltd.**  
3F-1, No.1, Tai Yuen 2nd St.  
Zhubei City, Hsinchu County  
Taiwan 302  
Tel: +886.3.598.2000  
Fax: +886.3.560.1269



Visit [amkor.com](http://amkor.com) or email [sales@amkor.com](mailto:sales@amkor.com) for more information.

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