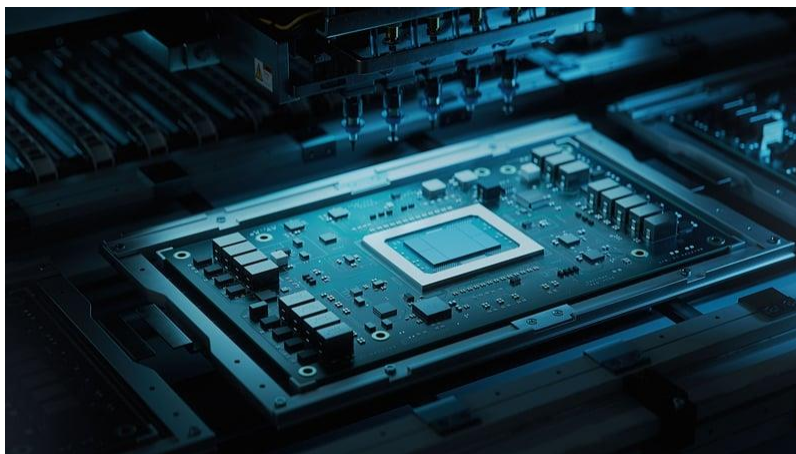




Technology Bites

Surface Mount Technology Enables Optimized Board Assembly



Surface mount technology (SMT) is vital to building and assembling printed circuit boards (PCBs). Widely used in various industries, including consumer electronics, automotive, aerospace, telecommunications, medical devices, and industrial equipment, SMT enables complex and high-performance electronic systems to be developed within a compact form factor. Rather than drilling holes in a PCB for component insertion, SMT involves mounting components directly onto a board, ensuring space, speed, precision, and automation are optimized. We offer a broad range of SMT capabilities in both Escondido and Santa Clara. These include:

- Chip-on-board (COB)
 - Flexible and rigid-flex substrates
 - Wide array of component sizes (including 008004)
 - Fine-pitch and standard ball-grid-arrays (BGAs)
 - Nitrogen reflow
 - Vacuum reflow
 - Hand soldering
 - Ball attach
 - “Odd” form factors
 - Chip-scale packaging (CSP)
 - Custom solder stencil and fixture design
 - Components presented in multiple formats (including tape & reel, waffle packs, JEDEC trays)
-

Recent Coverage

Annette Aquino, our director of quality assurance, penned an article for *Quality Digest* titled Standards Compliance Is Vital for Semiconductor Packaging and Assembly focusing on the importance of electrostatic discharge (ESD) control in the microelectronics factory environment. Published in May 2025, the article broadens our audience and educates the publication’s readership of nearly 75,000 quality professionals about the importance of meeting ANSI/ESD S20.20 certification requirements to ensure safe assembly and transport of delicate electronic components and devices.

Employee Spotlight

Things are busy here at QP Technologies as we continue to expand our team to meet your growing requirements for our quick-turn packaging and assembly capabilities. Please welcome our newest sales team hire and congratulate our recent recipients of well-deserved promotions!

Gary Langdeau – Inside Sales Manager

Hired at the beginning of June, Gary brings more than 20 years of experience supporting technical sales in the semiconductor and electronics manufacturing industries. Before joining QP Technologies, Gary held a succession of technical sales and sales management positions with industry leaders including IBM, GlobalFoundries and, most recently, Marvell Technology. In his new role, Gary reports to Bill Lawrence, our East Coast and Europe Sales Manager, and is responsible for developing and implementing sales strategies to drive revenue growth and expand our customer base.



Michael Harris – Inside Sales Representative

Michael has been with us for more than seven years, consistently exceeding expectations in his role as a customer service representative. Michael has worked his way through our factory, taking on roles in materials handling, manufacturing, customer service, and now, with his latest promotion, inside sales. In his new role, Michael will support Mike Strittmatter in the Western Region, collaborating directly with customers to understand their requirements, generate quotes, and secure orders for the factory. (Read Michael's profile in our [November 2023 newsletter](#).)



Ashley Knowles – Marketing Communications Manager

Having joined us three years ago, Ashley began her career at QP as a Customer Service Representative, moved into an Inside Sales role where she built strong relationships with customers, and has now been named to the newly created position of Marketing Communications Manager. She is responsible for leveraging such vehicles as our website, trade show activities, advertising, and other content outlets to inform, persuade, and remind our target audiences about our products and services. (Ashley was previously profiled in our Fall 2022 newsletter.)



Upcoming Events

[European Microwave Week \(EuMW\)](#), Sept. 23-25

Jaarbeurs Convention Centre, Jaarbeurs Utrecht, Netherlands

Booth F102

[iMAPS Symposium](#), Sept. 29-Oct. 2

Town & Country Resort, San Diego, CA

[SEMICON West](#), Oct. 7-9

Phoenix Convention Center, Phoenix, AZ

Booth 6078 (shared with Promex)



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