Essemtec - Latest Innovations to be Demonstrated at APEX 2025, Booth 2148
Essemtec is excited to exhibit at the IPC APEX Expo, happening March 18-20 at the Anaheim Convention Center in Anaheim, California. We invite you to visit us at Booth 2148 for live demonstrations of our latest technologies, including the world premiere of the **FOX Ultra** and the **PUMA Ultra**.

FOX Ultra and PUMA Ultra Solutions:

Essemtec's new FOX ULTRA and PUMA ULTRA bring enhanced speed and precision to SMT production while maintaining the flexibility and high-mix capabilities. With improved motion control and optimized jetting performance, the ULTRA series delivers higher throughput and greater efficiency, making it ideal for demanding electronics manufacturing environments. The FOX ULTRA and PUMA ULTRA are offering a significant boost in productivity. They will be showcased as All-in-One versions.



Tarantula 2025: Expanding Jet-on-the-Fly Capabilities

Building on the success of the Spider 2025, the Tarantula 2025 offers the same high-speed Jet-on-the-Fly solder paste jetting and dispensing technology but with the ability to handle larger PCB sizes up to 560 x 610 mm. Designed for manufacturers requiring more flexibility, it supports up to three dispensing or jet valves, enabling multi-material applications in a single path. With a jetting speed of up to 260,000 dots per hour and nearly 500,000 dots per hour on dense BGA patterns, the Tarantula 2025 delivers precision, scalability, and efficiency for today's most demanding PCB assembly needs.

Live Demonstrations:

High-Speed Pick&Place with FOX Ultra:
Join us for a demonstration of the new speeds that our Ultra line is providing to support high-mix electronics manufacturing.

High-Speed Dispensing, Jet-on-the-Fly Solution:
The innovative Jet-on-the-Fly soldering solution achieves an average of 260,000 points/hour and up to 500,000 points/hour for BGA patterns. This represents a 45% improvement in speed.

Printed Electronics Solution:
Live demonstrations of our printed electronics solution, featuring an integrated vacuum table on a Puma Ultra All-in-One, providing enhanced substrate stability for precise and reliable dispensing.

Smart Material Management:
Demonstration of machine integration, remote job preparation, and precise traceability down to the component level. A flexible solution controlled by the Essemtec intuitive Falcon software suite.

Experience the Future of SMT Technology

Join Essemtec at Booth 2148 at APEX 2025 to see firsthand how we drive innovation in the world of SMT technology.

www.essemtec.com