
About the company

Qplox is a fast-growing company offering test and automation engineering. Headquarters in Leuven, with offices in Barcelona and Eindhoven.

Our clients are major multinational enterprises and local companies from automotive, semiconductors, RF, consumer electronics.... Our Test automation group offers a one stop shop for designing automated test benches, system integration production, lab automation and data acquisition systems, with a growing focus in IoT sensor networks.

Our consultancy department offers services in RF, semiconductors and electronics design and test, as well as on the crossing roads of Nanotechnology, Bio-Science Engineering and Biotechnology.

Job Description

We are seeking an experienced and hands-on Assembly Support Engineer to lead and support assembly engineering activities at suppliers and subcontractors. The focus will be on ensuring seamless delivery and high-quality assembly of advanced semiconductor devices. The role offers a dynamic environment where you will play a critical part in developing and optimizing key assembly processes, troubleshooting issues, and collaborating with cross-functional teams.

Key Responsibilities

- **Process Development:** Lead the design, implementation, and optimization of advanced assembly processes, including flip chip, wire bonding, and SMT, to meet quality, cost, and delivery requirements.
- **Technical Troubleshooting:** Analyse and resolve complex assembly challenges to support efficient and reliable production.
- **Cross-Functional Collaboration:** Partner with teams in R&D, Manufacturing, and Quality Assurance to support new product introductions and resolve technical issues.
- **Process Improvement:** Perform characterization studies and implement optimization strategies using statistical analysis tools to enhance yield, efficiency, and reliability.
- **Documentation & Standards:** Develop and maintain process specifications, work instructions, and technical documentation for assembly processes.
- **Expert Guidance:** Act as a technical resource for the development and improvement of assembly techniques and material selection.

Location: Leuven, Belgium

Required Qualifications

- **Experience:** A minimum of 5 years of experience in assembly engineering, specifically with flip chip, wire bonding, and SMT processes in semiconductor or electronics manufacturing.
 - **Technical Proficiency:** Hands-on experience with assembly equipment, including wire bonders, flip chip bonders, and SMT placement machines.
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- **Materials Knowledge:** Deep understanding of assembly materials such as solder, adhesives, and underfills.
 - **Process Optimization Skills:** Proficient in using statistical analysis tools and methodologies (e.g., Design of Experiments, Statistical Process Control).
 - **Problem-Solving Ability:** Strong troubleshooting skills to address complex assembly-related issues.
 - **Documentation Skills:** Experience in creating and maintaining comprehensive technical documentation and process instructions.
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We Offer

- **Exciting Assignment:** Join a forward-thinking community focused on shaping tomorrow's technology.
 - **Full-Time Engagement:** Commitment of 40 hours/week in an engaging and hands-on environment.
 - **Professional Growth:** Work on cutting-edge projects alongside experts in semiconductor technology.
 - **On-Site Collaboration:** This role requires physical presence at office to foster collaboration and maintain hands-on process development.
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Contact

Send your CV and application letter detailing their experience and qualifications to jobs@qplox.com with the subject "Assembly Support Engineer".
