

Manufacturing Process Engineer - Electronics

IDEX is preparing for volume deliveries of our biometric fingerprint sensor solutions for the mass market and is also developing next generation products for card and IoT market sectors. The company is expanding and has a requirement for additional Engineering staff to support its rapid growth. The role demands engineering expertise in electronics manufacturing and design validation. The successful candidate will reports to the Manufacturing Engineering Manager and will be a member of a team of 4 or 5 people.

- Tasks and responsibilities:**
- To work between the IDEX design teams and manufacturing partners to ensure that product can be manufactured to specification and deliver expected yield and cost targets
 - To support design teams and manufacturing partners with innovative solutions to design and manufacturing challenges
 - To support product design with applicable skill sets wherever required
 - To plan and manage product reliability and qualification testing
 - To drive and advise on qualification activities for new products and processes with manufacturing partners
 - To liaise with IDEX design team, customers and manufacturing partners on all levels across many product platforms
 - To support NPI activities with manufacturing partners as required
 - Tasks and responsibilities may be adjusted to fit for the successful candidate

- Experience:**
- Detailed understanding in electronics design process methodology
 - Detailed understanding of electronic and mechanical manufacturing, assembly, manufacturing standards and packaging technology
 - IPC 600 and 610, MIL-STD-883, JESD47 and related standards
 - Detailed knowledge of die attach, flip-chip, stencil printing, dispensing, wire bonding, solder reflow, SMT, curing, wafer level processing and associated materials such as under-fill, solders, epoxies, wires
 - Detailed knowledge of PCB manufacturing processes including materials and plating options/surface finishes
 - Detailed understanding of reliability and qualification testing of electronic devices and applicable
 - Strong skill sets in electronics, microelectronics, mechanical engineering silicon technology
 - Knowledge of materials and processes
 - Metals; metal casting, machining, stamping and forming, brazing and soldering, etc.
 - Polymers; polymer moulding, laminating, stamping, machining, laser machining, etc.
 - Coatings and surface finishes
 - Material properties and their relevance to designs, including CTE, glass transition temperature, tensile strength, modulus, melt temperature, moisture absorption, fracture toughness, fatigue resistance, micro-hardness, wear resistance, warpage etc.
 - Strong benefit in international education or work experience
 - Able to use CAD
 - Able to understand and interpret electrical and mechanical drawings
 - Proficient MS Office user
 - Knowledge of requirements for compliance with ISO9001

- Education:**
- Degree in Engineering electronics, micro-electronics, sensor technology or related subjects
 - Alternative qualifications may be considered based on experience

- Personal capabilities:**
- Strong engineering skill sets including experience of quality tools, six sigma methodology
 - Able to manage time and priorities to support various projects
 - Passion for electronics and manufacturing
 - Driven, able to work independently or as part of a team, dependable and able to deliver work to deadlines
 - Flexible to work on new projects and in new areas of the business as required
 - Enjoying responsibility for a diverse portfolio of projects and assignments
 - Good communicator, using English as the working language.
 - Structured and documented work methods

Salary: Dependent on candidate

Potential: IDEX is a pioneering company in fingerprint sensing technology. We are technically advanced in our field. The organisation is small and compact, and we have informal and stimulating work environment. There is a spectrum of challenges and you will have an opportunity to grow with us. You will have extensive contact with manufacturing partners, customers and management.

Work place: South East England (M3-M4 Corridor)

Travel activity: International travel required



IDEX ASA: IDEX ASA specializes in fingerprint imaging and recognition technology. The company has a strong patent portfolio consisting of more than 25 patent families including more than 215 granted patents, as well as cross licenses with Apple.

IDEX has a highly competitive product road map including swipe sensors, touch sensors. The company is currently in the process of commercializing the products.

IDEX's addressable market represents a multi-billion-unit opportunity, centered on three core markets: Mobile, ID & Smart Cards and the Internet of Things.

Web site: www.idex.no

Contact: [careers\(at\)iex.no](mailto:careers(at)iex.no)

Application deadline: 30th October 2016

The above role does not support any applicants who require a visa to work in the UK.

NOTE TO AGENCIES: Please direct all enquiries to our recruitment partner IC Resources who will be happy to work with appropriate partners. Any agency CVs submitted directly to IDEX will be passed to IC Resources with no liability to IDEX.