



Position: Process Engineer - PCB

About Winonics:

Winonics is about to reveal the future of Printed Circuit Board manufacturing and we'd like you to join us as we grow!

Winonics, an Additive Circuits Technologies, LLC Company located in Brea, CA, is currently executing a multi-million dollar facility-wide renovation plan that includes extensive equipment and technology upgrades along with well-designed and purposeful infrastructure improvements to support lean six sigma manufacturing.

Once completed, the new state-of-the-art facility will offer a vision into advanced technology PCB fabrication with the expectations of creating a world-class PCB manufacturing facility and a research and development center for the company's patented additive manufacturing technology.

The newly upgraded facility will offer best in class capabilities supporting emerging technologies in aerospace and defense industries, life-critical medical devices, next-gen automotive safety, autonomous driving sensors, RF/Microwave/mmWave communications and enabled 5G connectivity

Full Job Description

Position: Process/Manufacturing Engineer

The Engineer position is responsible for the implementation, maintenance, and improvement of processes used to produce printed circuit boards. This includes application engineering of processes developed by suppliers, installation of these processes and or equipment, establishment of operating conditions to produce product, daily monitoring of process conditions, and performing failure mode effect analysis to determine failure points of the process.

Job Responsibilities:

- Design and develop PCB fabrication and rework processes
- Support and train operators on PCB fabrication work instructions



- Review and update work instructions for engineering changes
- Monitor process changes and analyze the effects
- Write all necessary procedures and instructions for process operation, maintenance and safety
- Perform Design For Manufacturability reviews on new orders/revisions
- Design and develop process flow maps
- Identify key process variables and monitoring methods
- Develop and perform Design of Experiments (DOEs)
- Develop, execute and write reports for equipment and process validations
- Identify and implement continuous improvements
- Monitor process operation on a daily basis to assure consistency
- Perform chemical analyses on the processes when required
- Responsibilities may include any of the following PCB finishes; electroless and electrolytic copper plating, ENIG, etching, cleaning processes and protective applications
- Follow all safety measures when handling chemicals and hazardous waste with regard to use, mixing and disposing chemicals
- Perform other tasks as assigned by management

Job Requirements:

- Minimum of 3-years' experience in an engineering role within printed circuit boards industry
- Experience with CAD software preferred
- Experience with Microsoft office applications
- Must be a self-starter that can work independently or in teams and have a positive attitude.
- Detail oriented person
- Excellent communication skills both written and verbal at all levels of the organization.
- Ability to read, write and communicate in English to the degree necessary to perform the job
- Knowledge and application of statistical techniques for process control
- Knowledge and application of failure mode effect analysis techniques as applied to both process development and process improvement
- experience with tooling for rigid PCB



- Experience of tooling flex and rigid/flex boards is a plus
- Familiar with IPC 6012 spec and other PCB industry specs
- Must have a general knowledge of methods used to training people in the operation and theory of the processes they operate
- Must be a team player and work well in a team environment
- Must be available to work overtime, when needed

This is an ITAR facility and applicants must be a US Citizen or a lawful permanent resident.

Winonics is an Equal Opportunity Employer – M/F/Veteran/Disability/Sexual Orientation/Gender Identity

Work Environment:

The position is located in a manufacturing environment. The overall operation is typical of printed circuit manufacturing. This facility contains chemicals that are known by the State of California to contain harmful or cancer causing agents.

Job details:

Salary: Competitive salary and benefits based on experience.

Job Type: Full-time

Number of hires for this role: 2