

EF Technologies Quality Control Overview

Description:

This document details EF Technologies, Inc. policies regarding the quality of all items manufactured.

General:

At EF Technologies, our goal is to provide our customers with the highest quality product possible at the best price. We have implemented and practice a policy of 100% testing. We fully test 100% of the final products that leave our factory as well as most of the sub assemblies that make up our products. This test data is recorded and filed so that we always have a complete history of everything that we sell.

Production Records:

As work flows through our production facility, "travelers" are completed to ensure that all the proper procedures are followed during assembly. These travelers identify sub assemblies by serial number and explain the steps completed to construct the particular assembly. Upon the completion of each step, the name of the technician who actually performed the step and the date the step was completed is recorded.

These travelers stay with the sub assembly until it is placed into a final product. When used in a final product, the traveler for the sub assembly is combined with the traveler for the final assembly. The entire document package is identified by model and serial number and filed. This provides us with a complete history of that particular final assembly.

Production Tests:

Our philosophy regarding production testing is simple, WE TEST EVERYTHING. Nothing leaves our facility without running through some type of test designed to simulate what the device will be doing in the field. Following are some examples of tests that we perform on electrofusion processors:

All processors - Each completed electrofusion processor is placed on our automated burn-in bench and cycled through 1000 10 second fusions. This test is designed to ensure that the processor was assembled correctly and all the parts are working correctly.

AC Processors - In addition to the 1000 fusion test each completed AC processor is also placed on our automated power supply and run through 72 fusions with different input waveforms. The output voltage of the processor is measured and the deviation is recorded. This test is designed to ensure that each processor will operate correctly throughout the specified range of input voltages.

Battery Processors - In addition to the 1000 fusion test each battery processor is run through a battery discharge test. This test is designed to ensure that the batteries have sufficient capacity and will not fail prematurely.

Before Shipping:

Before any processor is shipped from our factory, a final series of tests are performed to ensure that the processor is in good working order.

First, the processor is put through three complete fusions designed to duplicate the actions a person would perform in the field. These fusions are performed by one of our technicians, not by a computer. The output voltage is measured, checked and recorded. Next, a visual inspection is performed to ensure that the processor is not damaged and that all accessories are included. Finally, the processor is packed up for shipping, a final checkout sheet is completed, signed, dated and filed with the rest of the documentation for that particular processor.

Final:

We at EF Technologies are committed to providing the best possible electrofusion products and accessories to our customers. We go that extra mile to ensure that each product that leaves our factory is in top working condition and will serve you, the customer, for many years. If you have any questions or would like to speak to a company representative regarding our testing procedures, please do not hesitate to give us a call.