



## Future Test Inc. Certifies to ISO 9001: 2015 With The Help Of Consultant BMSC

Future Test is a family-owned and operated business that provides test system integration for electronic devices. Founded more than 3 decades ago, in 1984 by Roger Malin, an electronic engineer, the company's management team includes family members Marsha Malin and Josette Anderson.

The company supports customers across many industries, including medical, military and law enforcement, electronics and semiconductor industries, and their products are shipped throughout the world. Some of their more unusual products are displayed in their front office – they are a series of virtual reality products (firearms training and combat simulators) utilized by the military and law enforcement.

Roger says, "Commercial systems are often composed of complex mechanical and electrical requirements. Typically operational failures in these systems are difficult to find due to limited self-test capability designed into the system. Future Test can use our test expertise to test a system as individual subassemblies and circuit boards, and this greatly enhances the probability of the system operating correctly the first time and ensuring on-time delivery.

Josette adds, "Future Test can verify operation of all PCB assemblies prior to installation into a system. The same functional test capabilities can be applied at a subassembly level to verify operation and provide a level of control that significantly improves diagnostic capability and visibility into failure conditions. Subassembly testing can also allow mechanical testing of switches, sensors and actuators prior to or at final assembly."

Future Test has a full service in-house machine shop. It includes 4 Haas CNC mills, Haas CNC lathes (including a Swiss lathe), and their Datron CNC vacuum table enables them to manufacture hundreds to thousands of small flat parts. They also have a state of the art CMM with scanning probe capabilities.

Roger says, "Our machine shop can readily address issues such as part tolerance for fit. For example, if a part drawing is in error, we can machine modifications or new parts quickly, which allows us to reduce potential impact on our customer's delivery.

Roger says that over the past year or so, customers began to inquire into Future Test's certification. He says, "They weren't making ISO certification a requirement, but the fact that they were asking if we had it meant that it was something we should do. While we were grandfathered in by some of our long-term customers, everything told us they were going in the direction of requiring ISO certification."

Josette says, "We interviewed 3 different consultants, one a large entity from the west coast, one a new



start-up company, and BMSC, owned by Bretta Kelly." She continued, "Pricing varied greatly across the 3 proposals. In the end, we selected BMSC for a few reasons:

- 1) Their pricing was competitive. In fact, BMSC was the only consultant who offered tiered pricing packages, with the lowest package pricing reflecting more of the preparation done by us, and then all the way up to a complete consulting package, where much of the work would be done by BMSC.
- 2) BMSC came highly recommended, by one of Future Test's customers and by a machine shop owner they knew well.
- 3) BMSC's style and philosophy for ISO certification most closely matched that of the Future Test team.

Josette says, "We contracted with BMSC in March of this year, and were ready for our ISO audits just months later, in June. Bretta and her associate Debbie Hart were very approachable. They didn't come in with plans to change everything we were doing — they consistently asked us how certain processes would fit into our business."

Future Test certified successfully with the help of BMSC, and Josette says that the company has improved processes that have a direct impact on their business. The company has made their archival process paperless, for example.

To learn how Future Test, an ISO 9001: 2015 certified company can help you with your test system integration, contact them at 623-580-0162 or visit [futuretest.com](http://futuretest.com)

BMSC has helped more than 100 manufacturing entities prepare for ISO and AS9100 certification. To find out how they can help you take your business to the next level with certifications, contact them at 602-445-9400 or visit [BusinessMSC.com](http://BusinessMSC.com)

