

MRPC's Quality Mission

Setting standards for continuous improvement

Producing quality components and assemblies is MRPC's number-one consideration.

Our quality management system is consistently upgraded through ongoing training and continuous improvement. The process starts with initial customer discussions regarding component requirements and continues through the finalization of the product design. Throughout this process, our team invests as much time as necessary to make sure the final product is the best it can be and that the manufacturing process is optimized.

Every step of the manufacturing process is monitored and controlled, from raw materials to packaging and shipping of the final product. We thoroughly document all validation procedures to ensure that processes are followed and product quality is maintained throughout the production lifecycle. Validation protocols are written by our 11-person Quality Group and approved by our customers. These validation procedures include:

- Installation Qualification (IQ) – ensures that new and relocated equipment is correctly installed and operational
- Operational Qualification (OQ) – develops appropriate upper and lower process limits for equipment operation during production runs
- Performance Qualification (PQ) – tests three different production runs at nominal settings to confirm that all product specifications are met

Every product produced in our plant has an associated quality plan that outlines key characteristics and inspection frequency. These plans drive the inspection process during production. We use various inspection methods to review different requirements, from dimensional review using one of our six SmartScopes, to destructive testing of two-material bonded products to ensure the bond is secure.

MRPC has focused teams continually evaluating product quality and reviewing results on an ongoing basis. We are always striving for improvement in efficiency and review process and workflow to see where enhancements can be made. Our quality teams, which include Six Sigma experts, apply lean manufacturing practices to all new projects and review existing operations to reduce inefficiencies throughout the process.

MRPC's extensive training program requires employees to be fully qualified to use each piece of equipment and knowledgeable in all processes.

MRPC has developed specific training programs for each piece of equipment and process, and these programs are customized for each new product and line. Each product has its own set of protocols that dictate exactly how the work should be done and each employee involved is specifically trained on that job.

MRPC is ISO 13485 certified, and is compliant with FDA 21 CFR 820, which ensures the quality of each component and assembly is monitored and maintained for each production lot.

