



Metrology Solutions for the Aerospace Industry: A Case Study

ZEISS Industrial Metrology



Tolerance Masters Precision Machinery

ROB SCHERLIN, Quality Assurance Manager:

Tolerance Masters is an aerospace component manufacturer. We make components for the aerospace industry. Tolerance Masters is considered a flight safety manufacturer so we have a lot of features, critical features on component parts that have to be measured 100%.

We use the CMMs for verification of all our operations we perform in the machine shop and they come into play on every operation, set-up of the equipment and also during the production run. We rely on the machines because we can do 100% check faster.

We purchased the ZEISS equipment because the decision was made to have the best machines available with accuracy and repeatability and also, the fact that customer recognition was a goal of ours.

The benefits we've realized is the equipment downtime. There hasn't been any since we purchased the ZEISS equipment. The other benefit is it's improved our machining capabilities in our shop completely. Because now, we are able to check the capabilities in the machining centers and make the determination of our equipment purchases out there.

Tolerance Masters' business goal is to be a top-tier supplier to all our customers. And the ZEISS CMMs have provided a recognition from our customers that when they have come in our lab and they consider us to have the best metrology equipment available, so there is no question of our quality.

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