

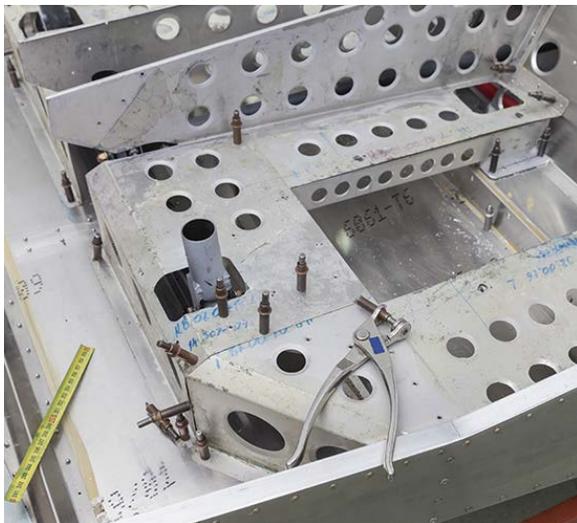
What Can Large Field of View Video Measurement Do For You?

When choosing a video measurement system, there are many factors to consider that can affect measurement performance. Just a few of those factors include field of view, depth of focus, telecentricity, and distortion.

Typically, traditional video measurement equipment has a relatively small field of view and shallow depth of focus. While this is advantageous for some applications, it can create challenges in others.

These systems require numerous stage movements in order to measure an entire part. These systems provide the operator with higher resolution images, but the added steps can result in increased inspection time and the need for fixturing.

Large Field of View systems provide an alternative to traditional measuring systems by overcoming the limitations of a small field of view and shallow depth of focus. They allow for more of the part to be viewed at once, which reduces added stage movements, thus speeding up the inspection process. Along with reducing inspection time, these systems can allow for automatic part identification.



Another benefit in reduced stage movement and a larger depth of focus is the reduced need for fixturing. With a video measurement system such as a QVI SNAP, you can place parts in practically any orientation and measure them.

For more information on large field of view video measurement systems and how to test your current equipment for telecentricity and distortion, read [QVI's technical report](#) on important considerations for large field of view measurements.

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