

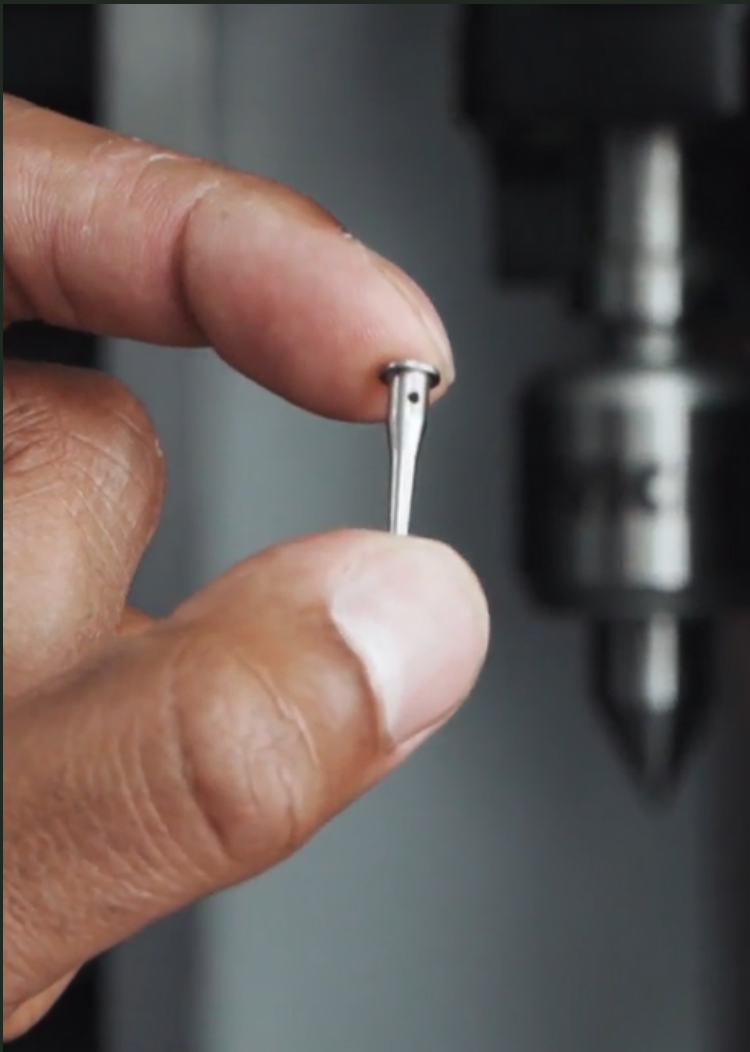


CUSTOMER STORY

Discover how CNF Precision Engineering removed their inspection bottlenecks thanks to optical measurement from VICIVISION UK.

PROJECT BRIEF

CNF Precision Engineering is a leader in precision engineering and manufacturing across industries including aerospace, defence and motorsport. They provide a range of components from simple 2-axis turning, to complex 5-axis machining, providing the highest quality components for their customers.



CNF Precision Engineering wanted to move away from a manual inspection process towards more advanced measurement and inspection technologies.

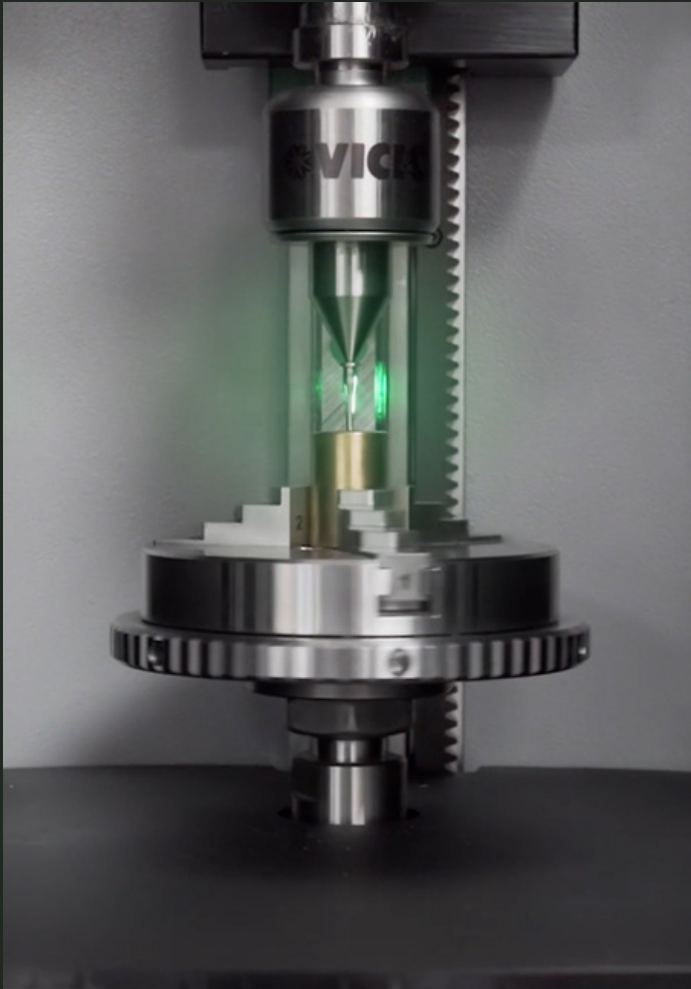
With regulations becoming stricter across the high-pressure industries CNF Precision serve, quality, speed and accuracy was recognised early in the project as a key factor.

Neil Fearnley, Managing Director of CNF Precision said: "Quality is the biggest thing for us now. Customers expect more and more. Companies want more and more reporting done on parts they make. Every single part that goes through CNF, is sent out with a AS9102 first cycle inspection report. So, whether its aerospace or not, we still treat it as aerospace."

CNF Precision recognised the need to revolutionise their manual measurement techniques for the future.

Quality Control Engineer for CNF Precision, Tharshan Pancharatnam, explained: "We were mostly using shadow graphs. We were struggling a lot with small parts and time-consuming parts. Shadowgraphs were not the most accurate way."

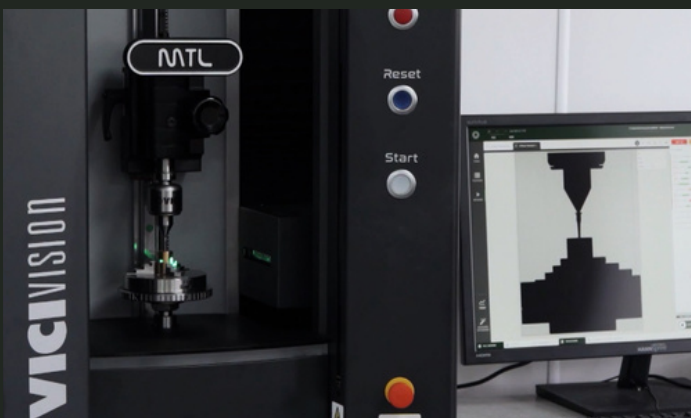
THE SOLUTION



CNF Precision Engineering invested in a VICIVISION PRIMA 309 turned-part measurement system from VICIVISION UK to create higher quality, more accurate and more consistent inspection reports.

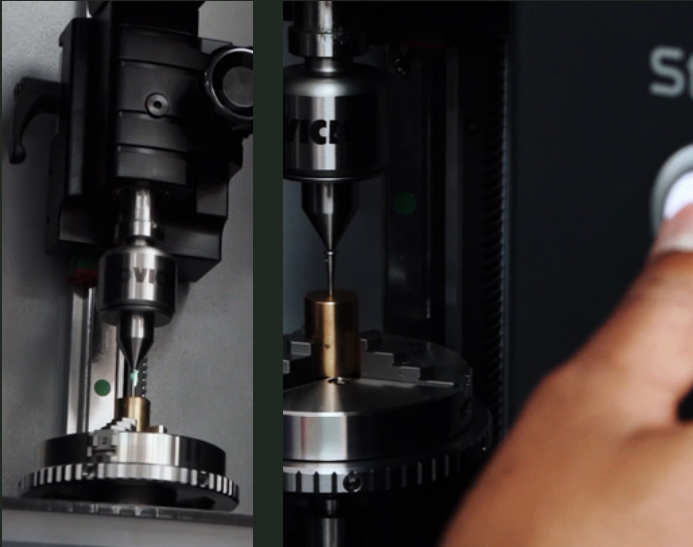
The VICIVISION PRIMA 309 is a state-of-the-art optical measuring system that is designed to provide high-precision measurements for turned parts in seconds. It's high-resolution camera and intuitive software made it the perfect solution for CNF Precision.

“The VICIVISION is great for turned parts. Before we bought the 309, it took longer to check verniers, height gauges, etc. Using the VICIVISION PRIMA 309 system, we can do it all. Checking turned parts was our bottleneck and the bottleneck is no longer there anymore,” said Neil.



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THE BENEFITS



Since investing in the VICIVISION PRIMA 309 turned-part measurement system, CNF Precision has increased the speed of their inspection processes, whilst also improving the accuracy and reliability of their measurement data.

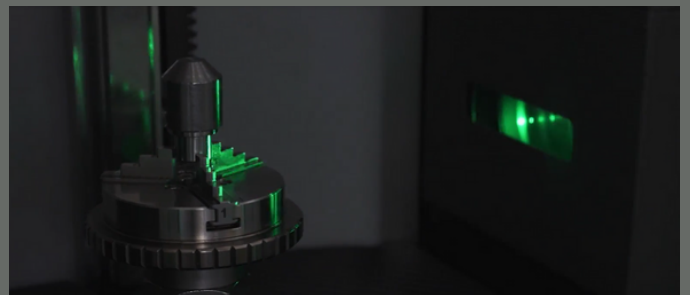
“Being able to print a report out from a VICIVISION vision system saves a lot of time and gives the confidence we are checking the parts properly because we are giving them a comprehensive report of what we are checking. The programming system is quite intuitive, it’s simple. Probably a day’s learning on it and you’re pretty much there to be able to start doing programs. If you’ve got a shaft or a turned component that you’ve made, and we’ve got a program on the VICI System, you can get the machine running almost immediately. Having a system that’s simple, gives us a comprehensive report and is easy to program, it’s a win-win,” said Neil.



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I would say 10/10 for service. VICIVISION UK gave us full help and support. Definitely any turning companies should get one. If they do a lot of batch parts where they want to check every part, VICIVISION is the best machine to invest in.

Tharshan Pancharatnam, Quality Control Engineer





Watch the full customer story on the
VICIVISION UK YouTube channel.

Contact us.

Get in touch to request a FREE
consultation with a member of our team.

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