

Autoclimate turns to FARO - now they're able to satisfy all of their requirements, and much more.

Shrewsbury based company Autoclimate Ltd, design & manufacture compressor mount brackets; for refrigeration & air conditioning systems within the automotive and commercial vehicle sector.

The first step in the development of a new product involves measuring under bonnet components. Using this data CAD models can be designed, SLA rapid prototypes produced & test fits carried out. The final step is taking the product into full production manufacture. Autoclimate were looking for a system to help speed up this process and also make the prototypes more accurate giving a 'right first time' prototype component which they would have greater confidence in.

For this task they turned to Faro, with the Titanium arm on a folding tripod and CAM2 Measure software Autoclimate are now able to satisfy all of their requirements, and much more.

Andrew Bailey, Engineering Manager of Autoclimate says:

"The introduction of our Faro Titanium arm coupled with CAM2 Measure has increased our development productivity many times over. We now have the ability & confidence to measure key under bonnet components accurately & quickly. We also use polyline scanning to buildup a 3D image of the space envelope we have to design within. The major leap forward for us has been the ability to output this data as iges & read it straight into our CAD. Literally within minutes of completing measuring we are designing our products. A number of times we have sent our engineer to main land Europe with the arm to measure vehicles that are not launched in the UK. The data is then emailed back to base & components designed whilst the engineer stays onsite to test fit the RP's."

He continued "Within the company we have a traditional bed measuring machine which will be upgraded to CAM2 Measure over the coming year. We had an example of the arms accuracy a few months ago. A subcontract machining company supplied some components which measured incorrect with our bed machine. We were able to bring the CAD data into CAM2 Measure & compare the supplied components to the solid model. This highlighted the error which we communicated to the supplier. After a great deal of arguments he finally conceded that he was measuring the components wrongly with his brand new Mitutoyo bed machine, even though it was in fact the Mitutoyo training engineer who had shown them how to measure it.

Without CAM2 measure & the Titanium arm of FARO we would have struggled to prove their error.

ABOUT FARO

FARO Technologies, Inc. (NASDAQ: FARO) designs, develops, and markets software and portable, computerized measurement devices. The Company's products allow manufacturers to perform three-dimensional inspections of parts and assemblies on the shop floor. This helps eliminate manufacturing errors, and thereby increases productivity and profitability for a variety of industries in FARO's worldwide customer base. FARO Technologies is ISO 9001 certified and Guide 25 approved. FARO: THE HIGHEST ACCURACY. THE LONGEST RANGE. THE TOTAL MEASUREMENT SOLUTION. Learn more at www.faro.com.

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