

## TRW: GOM Inspect convinced in tests

**Location/Country:** Livonia (Michigan), USA

**GOM System:** ATOS Triple Scan

**GOM Inspect usage:** Rolled out as standard 3D-Viewer and Inspection tool

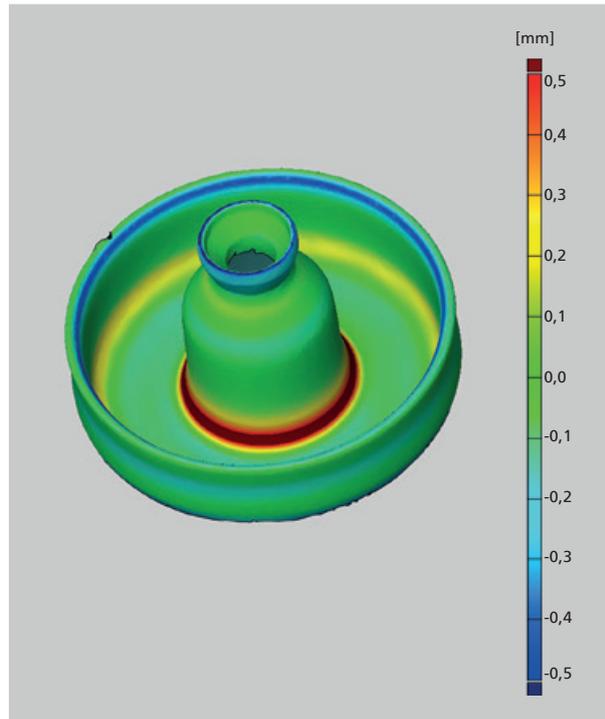
**Main area of business:** Automotive safety systems, steering, braking, restrains, etc.

Free GOM Inspect software convinced TRW in tests with the evaluation software of other measurement solutions.



At TRW, components are measured with the 3D scanner ATOS. The illustration shows a brake caliper, which is loaded with 100 bar. To analyze the deformation, the scan data are compared with CAD or an unloaded component.

The primary goal in obtaining an optical sensor was for speeding up our problem resolution time. This adequately did the job while other projects organically spawned off such as pre-DV qualification, resulting in higher first-time throughput of development testing and pre-PPAP qualification, which serves as a great dimensional check and with that, the free automatic snapshot of the part at launch.



The free GOM Inspect software is used to evaluate different components, which are scanned by ATOS, e.g. the valve of an anti-lock braking system as depicted. Since the software is used by all departments, the scanner has sufficient space for continuous part measurement.

After testing several metrology technologies, we narrowed down our selection to two optical 3D scanners.

We further benchmarked both systems and chose Capture 3D's (GOM Distributor) ATOS solution because of the accuracy, faster workflow process, higher data quality and ease of use.

The data quality from the other system was inferior and the paid-for interrogation analysis package simply did not stack up to the free version of GOM Inspect. ATOS has become our primary measurement tool, and with it we have increased efficiencies by optimizing our dimensional analysis methods. The free GOM Inspect software has proven to be a valuable asset, empowering each product group to perform thorough inspections and quickly solve problems at their workstations, thus freeing up our ATOS system to continually measure parts.

We are currently in the process of institutionalizing the evaluation software GOM Inspect throughout the organization. The Capture 3D support team and the GOM online tutorials have been very helpful, and we are able to quickly train new users.

Product Engineer  
TRW Automotive

**GOM mbH**  
Mittelweg 7-8  
38106 Braunschweig  
Germany  
Phone +49 531 390290  
Fax +49 531 3902915  
info@gom.com

**GOM International AG**  
Bremgarterstrasse 89B  
8967 Widen  
Switzerland  
Phone +41 56 6310404  
Fax +41 56 6310407  
international@gom.com

**GOM UK Ltd**  
Unit 14, The Cobalt Centre  
Coventry, CV3 4PE  
United Kingdom  
Phone +44 2476 639920  
Fax +44 2476 516990  
info-uk@gom.com

**GOM Asia**  
Keyuan Road 88,  
Tower 2, Unit 731  
201203 Shanghai  
PR China  
Phone +86 21 28986551  
Fax +86 21 28986552  
info-asia@gom.com

**GOM France SAS**  
10 Quai de la Borde  
91130 Ris Orangis  
France  
Phone +33 1 60479050  
Fax +33 1 69066360  
info-france@gom.com

**GOM Branch Benelux**  
Interleuvenlaan 15 F  
3001 Leuven  
Belgium  
Phone +32 16 408034  
Fax +32 16 408734  
info-benelux@gom.com

**GOM Italia Srl**  
Via della Resistenza 121/A  
20090 Buccinasco (MI)  
Italy  
Phone +39 02 45701564  
Fax +39 02 45712801  
info-italia@gom.com

[www.gom.com](http://www.gom.com)

