

Application of computed tomography in automotive world – how industrial CT works

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This paper presents the high-performance capabilities of Industrial Computed Tomography (CT) in automotive applications. Development process of new components takes usually 3 to 5 years. Stage where engineers have to check quality of prototypes and finished components is very important to catch each defect of internal structure or external shape. Then with help comes computed tomography. As a non-destructive quality control technique (NDT), CT allows not only for measurement and evaluation of external and internal geometry but also is useful to make report with visualization of whole part e.g. map of shape deviations and internal structure defects. All analyzes performed with use of CT are crucial to make improvements of the product which meet customer requirements. This paper shows how industrial computed tomography works, its benefits and where can be used in automotive world.



Fig. 1.
Industrial CT Nikon XT H 225
<https://www.nikonmetrology.com/en-gb/product/xt-h-225>

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