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RoScanTest

Robot-guided 3D inspection of rotationally symmetrical components

By means of a rotational movement of two 3D measuring heads, defects on components up to 0.01 mm can be detected, independent of the surface colour. In a robot-guided production process, the robot can move the test object into the optical beam path of the RoScanTest inspection device and a static inspection is performed.

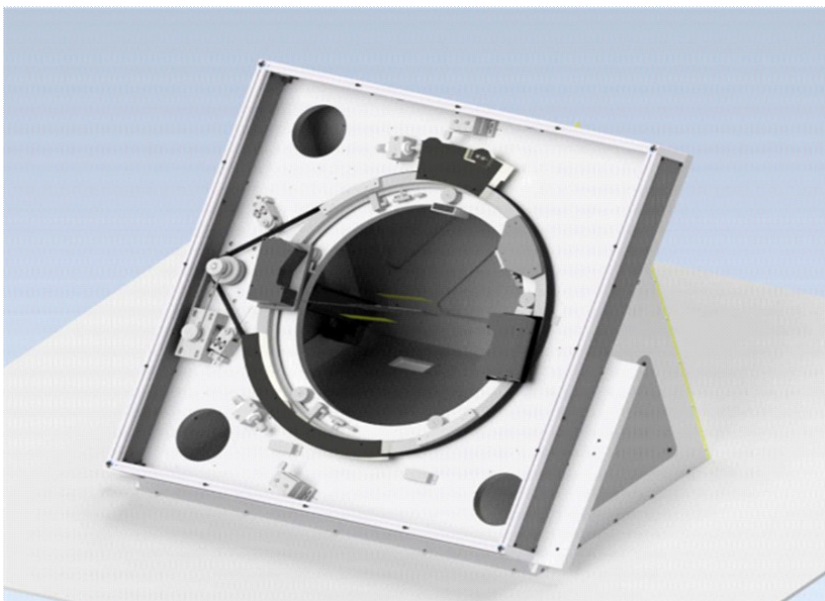
The illumination is implemented via a blue laser. This has the advantage that no additional illumination is required and the setup effort for the test system is very low.

Furthermore, the system is capable of additionally recording grey images in parallel. This makes it possible, for example, to record 2D codes on the test object. Defects that do not stand out topographically can also be detected.

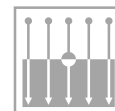
The universally applicable RoScanTest inspection system can be individually adapted to customer requirements so that it is possible to inspect very small and very large components.

A database coupling to an ERP system is also prepared.

Quality control charts of different types can be used for quality control and process visualisation.



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