

industriezeitschrift & orange

Online article · 4 June 2019

UNOFFICIAL ENGLISH TRANSLATION

The original article was published in German in industriezeitschrift & orange, a trade publication published in Germany. Prepared for CRETEC. The German original remains the reference.

Industrie & Zeitschrift orange Ausgabe Q3.2019
Komplexe Code-Verifikation per Knopfdruck



CRETEC Pressemappe

Stand: 05.2020

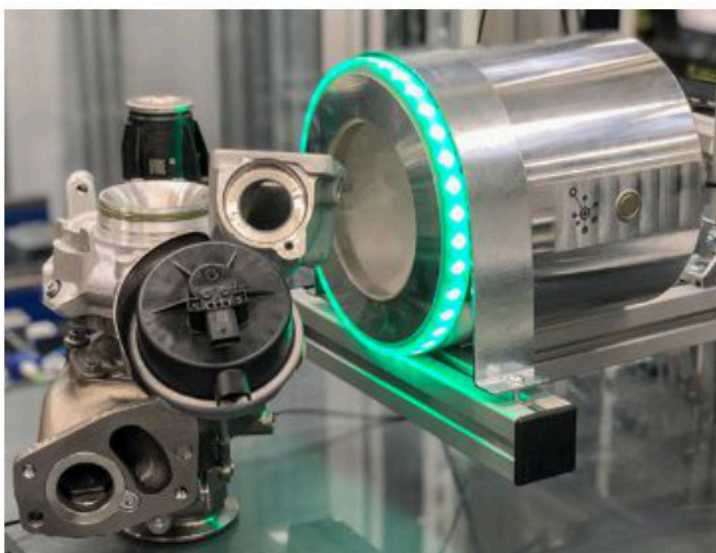
Seite 60 / 116

Complex code verification at the touch of a button

The archive cover identifies the third quarter of 2019; the actual supplied online article is dated 4 June 2019. The translation follows that clipping in full. Historical claims of uniqueness and a five-year warranty are retained as published. Original publisher artwork, logos and advertisements are retained in their original language.

4 June 2019

Complex code verification at the touch of a button



The compact VisionTube verification system enables standards-compliant code verification even for complex requirements: a complete, independent system with extremely simple operation.

Only readable, error-free codes enable complete traceability of products. Code reading errors - 1D, 2D, on labels or DPM (Direct Part Mark) - can have many adverse or serious consequences and generate costs throughout the value chain.

Verification of code quality according to current international quality norms and standards for the relevant sectors is essential today. Detailed verification results enable early corrective action throughout the automated identification process.

VisionTube is the world's only verification system with fast autofocus. The high resolution of the 10 MP camera ensures completely reliable detection of very small 1D and 2D codes, both on a wide variety of labels and as direct marks (laser-marked, printed, dot-peened, etc.). The complete system is ready for use as a manual station within seconds and can be quickly integrated into fully automated production lines. The verifier

is factory-calibrated at all focal planes and works straight out of the box. Its modular design is housed in a robust aluminium enclosure and is available with IP54/IP65 protection.

Four rapidly exchangeable lighting modules offer optimised multicolour illumination. This ensures the best possible application setup according to standardised quality criteria, including brightness, contrast, defects, contamination, distortion and much more. Code assessment is immediately indicated by a three-colour light ring on top, clearly visible from every direction. High-quality code inspection takes just one button press, for sampling or triggered series inspection.

VisionTube is essentially an open image-processing system that combines many further tasks in one device: checking code structures, reading human-readable text (OCR), serialisation and component-presence inspection. It is also available as a complete, fully automatically controlled manufacturing cell combined with a collaborative robot in a minimal space.

An outstanding further feature is the five-year warranty for VisionTube, providing unique security for investment and payback.

Source: CRETEC GmbH

Recommended link:

www.cretec.gmbh