

Automationspraxis

10/2020 · October 2020

UNOFFICIAL ENGLISH TRANSLATION

The original article was published in German in Automationspraxis, a trade magazine published in Germany. Prepared for CRETEC. The German original remains the reference.

Automationspraxis Ausgabe 10/2020 Flexible Cobot-Vision



CRETEC Pressemappe

Stand: 12.2020

Seite 26 / 178

Flexible cobot vision

Historical technical claims and contact information are translated as published. Unrelated neighbouring articles remain in their original language. Original publisher artwork, logos and advertisements are retained in their original language.

Automated quality control Flexible cobot vision

With its QBIC stations, Cretec combines flexible cobots and camera technology to create efficient vision solutions.

The modular QBIC systems are mobile, compact automation platforms based on cobots. They are easy to operate and can be deployed quickly. A QBIC station can be unplugged and moved immediately to a new location while remaining fully operational.

Cretec used this approach to develop a cobot-vision application for large automotive components. A 3D camera and a 5-megapixel camera are attached to the cobot. With a field of view of 80 × 100 mm, the vision camera achieves a resolution of 40 µm. This enables automatic quality inspection for scratches and impact damage, as well as thread inspection. The same arrangement was also used to

Fully automated quality inspection of automotive components.

inspect a transparent adhesive bead. Laser triangulation continuously measures the position and volume of the adhesive application in 3D. This allows the complete application process to be monitored, documented and optimised continuously.

Cretec GmbH
www.cretec.gmbh

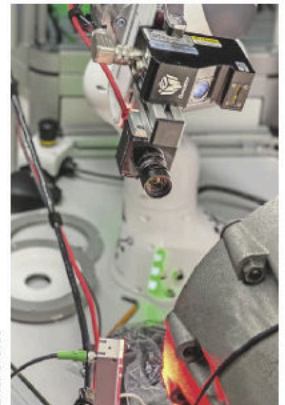


Bild: Cretec

Einfach zu haben. Noch viel einfacher zu handhaben. Einfach: HORST.



Durchdacht & einfach gemacht.

HORST ist der robuste, leistungsstarke, voll vernetzte Industrieroboter – entwickelt, durchdacht und gebaut in Deutschland.

Ob Hardware, Software oder Steuerung, jedes Element für sich und vor allem im perfekt abgestimmten Zusammenspiel: HORST macht's einfach.

Mehr unter: fruitcore-robotics.com

 **fruitcore**robotics



ENGLISH TRANSLATION / GERMAN ORIGINAL