

PRESS RELEASE

Limburg/Germany, February 2015

PCRT code: Digital component DNA increases testing reliability and optimises process control

Quasar Europe, represented by Hesselmann & Köhler Prozessautomation GmbH, is demonstrating the function of the non-destructive, fully automatic material testing method Process Compensated Resonance Testing (PCRT) live at the fair booth. PCRT compensates process variations and tests safety-related, failure-critical components for structural irregularities, at the same time reliably tracking down causes of faults inside the components which are invisible from the outside.

Alongside the checking of functional relevance and quantification of the degree of damage caused by faults, a further special feature is the assignment of a unique PCRT code to every component tested (100 percent test), which also allows conclusions to be drawn about physical characteristics of the component at a later date (“component DNA”). Every device under test is given its own specific digital PCRT fingerprint – with the information documented permanently in the Quasar database. This means that PCRT makes a significant contribution to optimising process reliability and quality, beyond the actual testing procedure itself.

The method is particularly suitable for all branches of industry where products have to fulfil demanding safety and quality requirements, such as the automotive, aviation and turbine industries as well as medical engineering.

Visit us on the International trade fair for quality assurance – on the event forum “Contactless Measuring Technology” by Fraunhofer/Germany:



Media Contact:

Christiane Engelhardt, ce@weilwortewirken.de, fon 02771- 330662, mobil 0171- 5424834

● **HK Inside. Improving quality.**

HK has made a name for itself in the field of innovative automation systems for control and testing technology in high-quality industrial production processes. Core competence is the fully automatic and precise control of complex measuring and testing systems – always aim to secure and improve process and product quality. HK tools reliably support complex industrial production processes in numerous branches all over the world. www.hk-automationsystems.de