



# RoodMicrotec Newsletter

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With the festive season on the doorstep, RoodMicrotec is celebrating new certification standards that will allow to further increase the quality of its service to customers.

We are also seeing opportunities in upgrading consumer applications for the automotive and industrial markets, a process in which RoodMicrotec can play an instrumental role through its expertise in test design.

Martin Sallenhag, CEO  
Reinhard Pusch, COO

*We wish everyone  
a happy festive season  
and a fantastic 2017!*

# RoodMicrotec acquires the certification and accreditation needed to serve the market

We are continually involved in a process to acquire the newest and most relevant certification and accreditation to stay ahead of the market and serve our customers in the best possible way. RoodMicrotec has now been certified in accordance with the quality certification standard ISO 9001:2015 by DQS, the Frankfurt-based certification body that provides certifications of management systems and processes.

RoodMicrotec has chosen to update its current certification level (2008) to the very latest available (2015) because it includes important directional supplements that are relevant for the automotive industry. It focusses on a new high level structure (as per the ISO directive annex S), a strategic orientation of the organisation, the involvement of the upper management, and on risk management to identify, analyse and organise corrective actions. Risk management in particular, is a crucial process in automotive, and is therefore an important addition to the certification that underscores RoodMicrotec’s expertise in that field.

Our certification and accreditation are very much in line with RoodMicrotec’s strategic orientation towards the industrial and automotive markets.

## RoodMicrotec Seminar in Switzerland: First successful partnership with IG Exact.



This most recent edition of the RoodMicrotec seminar took place at Campus Brugg-Windisch and was our very first seminar in Switzerland in cooperation with IG Exact, the Network of Excellence in Applied Electronics and Technologies. On the invitation of Exact, RoodMicrotec organised a great line-up of nine speakers on the topic of reliability testing, attracting some 45 participants to the northern Swiss canton of Aargau. They received a comprehensive overview of the latest methodologies for the reliability testing of electronic devices, and were able to meet the speakers on the eve of the conference to discuss the latest developments. Feedback from the seminar was overwhelmingly positive with delegates rating their overall experience as 3.6 out of 4.0 on average. Attendees found the programme to bring new information on reliability testing helpful for their daily business.



# RoodMicrotec upgrades consumer devices for automotive application through quality methodology

RoodMicrotec has the in-house knowledge to assist customers in upgrading consumer devices by submitting these to the strict test requirements of the automotive industry.

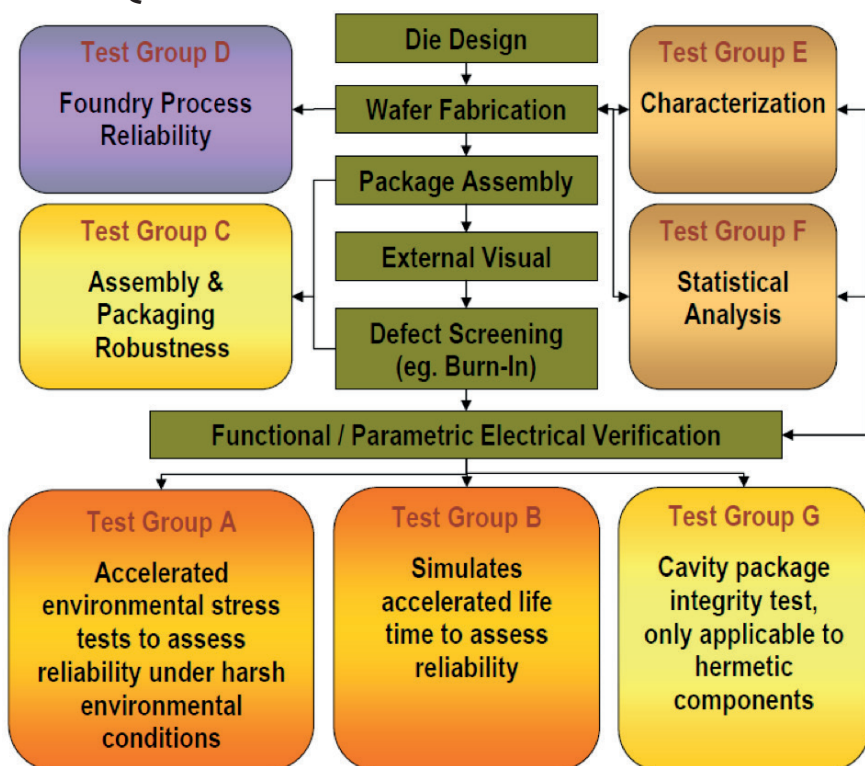
With the high volumes of smart consumer electronics available in the market, the automotive industry is increasingly looking towards consumer goods that have potentially useful functionalities for automotive applications. These products are however not fundamentally designed for automotive applications and therefore need to be upgraded to comply with the stringent automotive standards.

RoodMicrotec offers customers standardised testing capabilities such as AEC-Q100, but this is only one of several test and stress sequences required by the automotive industry.

We are also experts in customised Robustness Validation tests, specifically created for each product. Because of the custom nature of the test, it is up to the designer of the application to set the requirements and simulate the life time of the product.

RoodMicrotec's extensive experience in this area enables the company to support customers creating these tests. We can assist with supplier management based on AIAG (Automotive Industry Action Group) and VDA (Verband der Automobilindustrie) standards and guidelines like APQP (Advanced Product Quality Planning), PPAP (Production Part Approval Process) and FMEA (Failure Mode and Effects Analysis).

## AEC-Q100 Flow



These are all quality assurance procedures to be followed in the design, industrialisation and production of automotive parts that RoodMicrotec can provide.

We also conduct audits at fabs, foundries and assembly or test sites in accordance with VDA 6.3 on behalf of our customers.

Recently, we have also experienced an increasing demand for automotive-style extended reliability testing from non-automotive clients who want to apply the same high level quality methodology to other industrial applications. Through its experience and expertise in automotive, RoodMicrotec is excellently positioned to service a wide range of industrial sectors.

## Colophon

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