



**WÜRTH ELEKTRONIK** MORE THAN YOU EXPECT



# QUALITY DESIGN CENTRE

Circuit Board Technology  
Asia Production



# OUR MISSION IS THE PURSUIT OF EXCELLENT QUALITY

WÜRTH ELEKTRONIK CIRCUIT BOARD TECHNOLOGY ASIA PRODUCTION

Established in 2010 in Longgang, Shenzhen, China, the Quality Design Centre incorporates the concept of German industry 4.0 with domestic digitalization to meet the requirements of speed, accuracy and security. Asia Production has its head office in the Quality Design Centre since 2013. Our team consists of 70 employees worldwide and generates a revenue of 70 Mio. USD. We have 40 PCB experts located in immediate proximity to the laboratory to ensure the fulfilment of the defined quality assurance measures. Furthermore we have our „Würth Resident Engineers“ in our partner's plants, who accompany the entire production process and perform Final Quality Control.

To guarantee a constant technological growth and to meet high quality standards, we invest a lot in test and analysis technology. As a result, we can perform various standardised and customized tests as required by our customers. Due to extensive quality methods, we can guarantee high quality from the product development stage to the arrival of the goods at the customer's site. At product development stage, we perform qualification for your new products in order to detect and eliminate potential failures. The real-time monitoring of the production lines as well as the Internal Quality Control ensure the quality of the products. In addition, we provide our customers with support in process validation, optimization and re-design.



## TEST EQUIPMENT

- Analysis Lab - Microscopic Analysis, Thermal Strength Wetting Balance, RoHS Reflow Parts, XRF X-Ray and many more
- Measurement Lab - Precision LCRs, ESD Testers, RF Impedance/ Material Analyzer, Network/Spectrum/ Impedance Analyzers, and many more
- Environmental Lab - Shock and Vibration, Temperature Cycling, Thermal Shock, Steam Aging, and many more
- Process Lab - Reflow, Wave and Vapor phase soldering, Pick and Placing simulations, washing process, Tape- and Reeling, and many more
- EMC Lab - Fully anechoic chamber and shielded rooms, Radiated emission measurements, Radiated immunity tests, electrical voltage tests, burst and surge test, ESD test

## CERTIFICATIONS

- ISO9001
- IATF16949
- Accreditation of ISO/ IEC 17025
- Accreditation of ISO/ IEC 17043

## MATERIAL COMPLIANCE

We comply with the following laws regarding material compliance:

- RoHS directive 2011/65EU and 2015/863 / China RoHS
- REACH-regulation no 1907/2006 Conflict Mineral Reporting [CMRT]
- End-of Life Vehicles directive 2000/53EC and 2005/64/EC
- California Proposition 65 Persistent Organic Pollutants (POPs)
- Ozone Depleting Substances (ODS)

## QUALITY ASSURANCE METHODS

- Quality System with PDCA-Cycle
- Risk Prevention with FMEA-Process
- Quality Planning with APQP & PPAP
- Complaint Handling with 8D-method
- Change Management with PCN FiFo with lot no & date code traceability
- Advanced PCB qualifications



**RoHS**  
COMPLIANT



**REACH**  
COMPLIANT



**HALOGEN**  
FREE

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