

# Your Testhouse For Microelectronics and RF-Components



Hitest is an independent service provider for quality assurance and quality control in the development and production process of microelectronics with a focus on high-frequency components. We offer for every task a tailored solution that meets the requirements in terms of cost, schedule and quality.

## New on the market, but not inexperienced

Founded in 2008, our roots go back to 1989. As part of the SICAN project it was our task to promote applications of microelectronics in Europe. To this task we feel obliged to present.

## Our expertise: Quality Assurance

We enable you to keep one of the main features of your component in your own hands: the quality. This is especially important if your production site is far away in Asia.

## We work according to standards

In our projects we are working in accordance with the relevant standards: MIL, DIN, IEC, JEDEC, ESCC, AEC-Q, or according to customer specifications.

## The components

We test electrical and electronic components of any kind from wafers, packaged semiconductors and ASICs to optical components and modules.

## We are not satisfied with the existing

In many cases the skills of existing measuring instruments are not sufficient to solve a task optimally. In these cases we are able to expand the measuring instruments by our own developments. By doing this we help you to save the high capital costs of new equipment.

## The industries of our customers

Since 1989 we have successfully worked for clients in various industries. They all had typical requirements, which we had to observe:

- Automotive
- Medical
- Aerospace
- Telecommunications
- Industrial Automation
- Measuring and Control Technology

Our customers are users, distributors, manufacturers and design houses.

## Everything from one hand

We provide our customers with project solutions from one hand. For some individual tasks we are cooperating with qualified partners.

## Our Services

We offer our customers a broad spectrum of services ranging from development to production of components:

- Test Program Development

We design, according to your specifications, the software for controlling test systems.

- Test Program Conversion

We transfer existing test programs from a test system to another.

- Test hardware development

We develop DUT boards, probe cards, special mechanical constructions, test sockets, micro-controller systems.

- **Qualifications**

We run complete qualifications according to your specifications or to standards.

- **Production Tests**

We are doing production tests of wafers or components in quantities of up to 1 million per year, including the necessary logistics.

- **Lot Acceptance Tests**

We run incoming inspections for release to production or lot acceptance tests.

- **Special Tests**

We develop and optimize special tests including the mechanical construction, development of software and hardware.

## **Our Equipment**

From an existing stock of high-quality measurement devices, we choose a configuration that is best suited on your task:

### **Test Systems**

- HP83000 F330t
- HP83000 F660i
- Agilent 93000
- Wafer Prober from 3" to 8"
- Handling Systems

### **Qualification Systems**

- Optical Inspection
- Temperature Forcing System
- Temperature/Humidity Chamber
- HTOL Chamber
- Operational Burn In
- Liquid/Liquid Thermo Shock
- Pressure Cooker
- Bake Oven

### **RF Measurement**

- Spectrum Analyzer up to 26,5 GHz
- Network Analyzer up to 50 GHz
- Vector Signal Generators up to 5,4 GHz
- Microwave Transition Analyzer DC to 40 GHz
- Sampling Oscilloscopes up to 50 GHz
- Pattern Generator/Analyzer up to 10 Gbps

### **Accessories**

- Bake & Dry Pack
- Optical Inspection

If required, we obtain the necessary equipment for your project.

## **On us you can rely**

We work in accordance with the requirements of DIN EN ISO 9001:2008. Our quality is documented, and the results are available even after 10 years.

## **Put your trust in us**

Our employees have many years of experience in the implementation of demanding projects at national and international level.

We guarantee reliable, traceable and documented measurements at the highest level of quality.

## **How you can reach us**

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