

# Qualmax™

Experience Maximum Quality



**STATE-OF-THE-ART  
SEMICONDUCTOR  
TEST PRODUCTS**

**ADVANCED  
DESIGN ENGINEERING  
& MANUFACTURING**

**WORLDWIDE  
TECHNICAL SUPPORT**

## Design Engineering Excellence

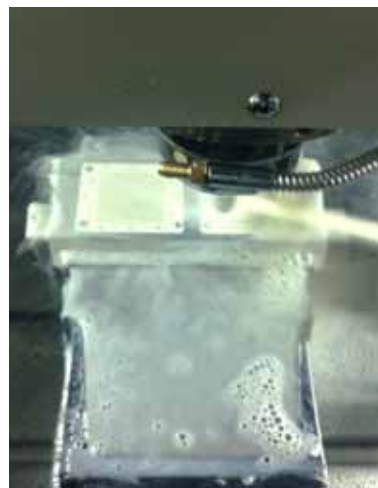


Qualmax provides advanced designs for semiconductor test sockets, spring contact probes, custom test interfaces and wafer level package (WLP) products. Cutting edge design engineering is assured by our dedicated team which has extensive hands-on experience and knowledge with the most complex and challenging applications. The test yield and cost are the key factors we consider with every design. Our Application Engineering team works hand in hand with your engineers to develop the optimum solution for your specific test needs.

- Creative designs for testing of advanced packages
- 24 hour turn-around time on custom probe design
- 72 hour turn-around time for single socket design
- Volume delivery of custom probes within two weeks
- First socket delivery within two weeks
- No NRE charge

## State of the Art Manufacturing

Qualmax's goal is to manufacture and deliver your test solutions with zero defect every time. With an intrinsic understanding of quality control we have implemented stringent processes and procedures to guarantee that our quality objectives are maintained. All test sockets are manufactured in-house at Qualmax's brand new factory which is ISO certified with a proven history of excellence in production engineering and quality control. Cost is another factor we closely measure to better serve our customers. Our unique manufacturing approach ensures you will consistently receive the highest value available regardless of the complexity of your application.



- State of the art facilities
- Highest performance and quality available
- Flexible capacity
- Competitive Cost
- Fastest lead time
- Super precision 40,000 RPM verticle machining center
- Burr free holes down to 50micron diameter

**QUALMAX  
SPECIALIZING IN  
SEMICONDUCTOR TEST  
SOLUTIONS**

## World Class Products



With our on-going commitment to the highest level of quality and customer satisfaction, Qualmax provides a full line of test products including:

- Advanced Semiconductor Test Sockets
- Spring Contact Probes to .20mm Pitch
- Contactor Lids & Custom Support Plates
- High Speed / High Density Coaxial Cables
- Kelvin Probes & Sockets
- Wafer Probe Cards



# Maximum Quality

## Quality Assurance



Qualmax's Quality Assurance Team performs stringent analysis to make sure all products perform as designed. New spring contact probes are fully characterized before release to production. All test socket designs are fully verified by FEA and when they are manufactured a thorough inspection follows to ensure all parameters are consistent with the design criteria. This rigorous quality protocol provides you with the assurance of Maximum Quality.

## Turn-key One Stop Solution with Global Support Organization

Qualmax understands the hassles and inefficiencies of dealing with multiple vendors, which often leads to increased cost and a higher risk of schedule delays associated with new product introductions. Our ability to provide turn-key solutions mitigates these issues for your most challenging test applications. All design engineering is done in the United States in close cooperation with the applications support teams located in the United States and Korea. Qualmax's global support organization provides the ability to support multinational accounts seamlessly.

## Qualmax Test Solution

### Test Sockets

- BGA, LGA, QFN, QFP
- All Types of SOIC ( SOP and Memory Devices)
- RF Applications with dielectric material
- POP/PIP/SIP Socket
- Elastomeric Test Socket
- Manual Lid - Clamshell type, CAM actuated, Z-Adjust, Clamping type, Bolt-on type, Thermal Lid, Spring actuation type and Custom designs

### Spring Contact Probe

- Over 3,000 Off-the-Shelf Designs
- Custom Designs
- Down to 0.2mm Pitch, 1.00mm over all length

### Wafer Probe Card

- Down to 50 Microns Pitch
- All Vertical Probing
- MEMS Technology
- Proprietary Space Transformer / Interposer

### HSD (High Speed / High Density)

### Coaxial Cables & Connectors

- High Speed Cable for Advanced Test Equipment
- High Density to 1.4mm Pitch
- Low Insertion Loss or Cross Talk

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