

## Principals

### **Thomas Allsup, Mechanical Engineer**

Thomas is Anida Technologies' chief mechanical designer. He has over seventeen years experience in various design engineering and engineering management roles in the semiconductor and related industries (including the design and manufacture of semiconductor burn-in test sockets). Thomas has a BSME from Oklahoma State University and a MSME from University of Texas at Arlington. He is currently completing work on an Engineering PhD from Kennedy Western University. Thomas has one patent and one pending.

### **Ray Blasingame, Electrical Engineer**

Ray leads the electrical engineering activities at Anida Technologies. After serving in the Air Force and earning his BSEE from Oklahoma State University, Ray has over thirty years experience with electronics manufacturers such as Texas Instruments and Honeywell. Ray has three patents and six pending.

### **Garry Stevens, Process Engineer**

Garry leads all process engineering and related activities for the company. After serving in the Marines, he has eighteen years experience in the semiconductor industry working in a diverse set of process engineering capacities at semiconductor manufacturers such as Honeywell and TRW. Garry has completed his Associates Degree and is currently working on his BSCS degree.

*In addition to Semiconductor Back-End Technical Services, Anida Technologies also provides:*

*Electro-Mechanical Design Engineering for the Sensor Industry*

*Burn-in Socket Qualification Services*

*Software and Firmware Development*

*Prototype and Production Contract Manufacturing*



Semiconductor  
Back-End  
Technical  
Services



717 Lingco Drive  
Suite 217  
Richardson, TX 75081  
972.480.0110  
Fax 972.701.0359

Providing Turnkey Solutions  
from Concept to Production

## Services

Anida Technologies is an engineering and manufacturing outsource provider for the semiconductor back-end and related industries. The four in-house principals and their external partners provide turnkey solutions to technical and logistical problems. Each Anida Technologies project is as unique as each customer. These projects range in size but include:

- Engineering services for an electro-mechanical design
  - Low resolution engraving system
- New or modified software or firmware
  - Curve tracer data presentation graphical interface replacement
- Qualification testing for products and processes
  - Wind tunnel tests to characterize burn-in socket performance
  - Measure contact travel, coplanarity, and forces for sockets
  - Cycle testing including temperature soaks with continuous monitoring
- Prototypes or production quantities of an internally or externally designed product
  - Design and construction of OEM backlight prototypes for vending application
  - Design and construction of custom burn-in sockets using stamped and photoetched contacts in injection molded housings.

## Equipment

### Force

- Quad Group Sebastian III Die Attach & SMT Tester
- Chatillion Force Gauge Stand with AMES Indicator
- Correx 150 gram Force Gauge
- Somfy tec 5 gram Force Gauge
- Somfy tec 200 gram Force Gauge
- Somfy tec 250 gram Force Gauge
- Ametek 30 pound Force Gauge
- Mecmesin AFG5N Digital Force Gauge
- Elaine Precise 500 Gram Scale

### Temperature

- Extech EA15 Dual Input Thermometer / Datalogger
- Tenma 72-6638 Vane Anemometer
- Extech 407123 Hot Wire Anemometer
- Fluke 51 Thermocouple Thermometer
- Omega HH21 Digital Thermometer
- VWR 1330 FD Oven with Temperature Controller
- National Appliance Co 5831 Vacuum Oven
- National Instruments PC-DIO-24 I/O Card
- (4) Omega 10 Position Thermocouple Selector Switch

### Linear Measurement

- Brown and Sharpe Micrometer Set
- Mitutoyo 192-111 Height Gauge
- Metroplate 12 inch Granite Surface Plate
- Mitutoyo 505-645 12 inch Calipers
- Stattett 657 Magnetic Mount
- Starrett 25-511 Dial Indicator
- Mitutoyo 500-172 8 inch Digital Caliper
- Mitutoyo 2804-10 Depth Gauge with Stand
- Parker X-Z 1 inch Stages with Digital Micrometer
- Parker X-Z half inch Stages with Micrometer Drives

### Miscellaneous

- Weller EC2000 Soldering Station
- Pacific Transducer Corporation Type A Durometer
- Ohaus Brass Weight Set
- Ametek 1726 Digital Tachometer
- Paxton Patterson Laminar Wind Tunnel
- Anida Technologies BOST-001 Turbulent Wind Tunnel
- Microdrill 164D-7 Drill Press
- Baldor 623E Grinder
- JET 2036 Horizontal Band Saw
- Unitek Phasemater V Welder
- Interstate Workstation with Florescent Light
- Photography Stand with Diffuse Backdrop
- 3M Scotchflex 3640 Assembly Press
- US Logic Rack Mounted Industrial PC

## Equipment

*(continued)*

### Electronics Lab

- Powerstat 3PN126 Variable Transformer
- Lambda LQ-521 Power Supply
- Lambda LP-524-FM Power Supply
- Hewlett-Packard 6216A Power Supply
- Wavetek 801 50 MHz Pulse Generator
- Keithley 169 Benchtop Multimeter
- Hewlett-Packard 6282A Power Supply
- Hewlett-Packard 4328A Milliohmeter
- Hewlett-Packard 6209B Power Supply
- Hewlett-Packard 6206B Power Supply
- Fluke 77 III Handheld Multimeter
- Tektronix 465 Oscilloscope

### Vision

- Bausch & Lomb Stereo Zoom 4 Microscope with Boom Mount and Litemite Illuminator
- Bausch & Lomb Stereo Zoom 6 Microscope
- Fiber-Lite Fiberoptic Ring Illuminator
- American Optical Stereo AO 569 Microscope with Reichert Scientific Instruments Boom

## Software

- SolidWorks
- Inventor
- Visual Basic 6.0
- TestPoint
- Visio 2000
- Adobe Acrobat
- Turbo Project Express
- Windows Office