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Published by
Garwood
Laboratories, Inc.
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Pico Rivera, CA
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AEROSPACE TAKES OFF & GARWOOD TAKES THE LEAD

With the recent takeoff of military and commercial aerospace demand, Garwood has risen to meet the challenge by expanding staff and opening a new location to increase our capabilities. This will help subcontractors meet the stringent goals of their production timelines. In this newsletter we will highlight some of the changes that have occurred at Garwood to show you the additional benefits of testing with us. The Pico Rivera facility has bolstered its staff with several new people in sales, customer service, dynamics, hydraulics & EMC.

The San Clemente location now has two facilities, one at 143 Calle Iglesia, the other at 950 Calle Negocio. The Iglesia facility is dedicated to environmental testing only, and includes five (5) dynamic shakers, shock tower, centrifuge and fifteen (15) climatic chambers that range from bench top to walk-in size. Test capabilities include shock, vibration, temperature/humidity, temperature/altitude, salt spray, thermal shock, explosive atmosphere, solar radiation and various other disciplines of environmental simulation. Please refer to page 3 for more details regarding this new location.

Garwood's Negocio EMC facility has added personnel and major test equipment. These additions have increased our capabilities, reduced lead times for customers and provided services that were not available in the past. Please refer to page 2 for further information about this location.

These and other changes exemplify Garwood's ongoing commitment to provide our customers with the best service in the industry.

Calle Negocio



Industry Ave.

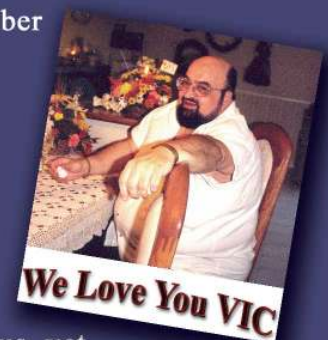


Calle Iglesia



In Memoriam... Vic Virgilio

Garwood Laboratories recently lost a beloved member of its family. Former Lab Manager, Vic Virgilio passed on during this last holiday season. Vic was admired by all and over the years was an integral part of the success of Garwood Labs. His ideals and commitment to quality were instilled upon the entire staff. "Always giving your best", was a motto that he expressed to us all during his 18 years of service. His blunt and honest demeanor was sometimes hard to bear when you were the focus, yet you always respected his opinion due to his experience and knowledge of the testing industry. Whenever promises were made to customers, he made sure that every Garwood employee lived up to those commitments. *Vic will truly be missed by all.*



The Faces of Garwood Labs

Garwood has expanded in experience and capabilities with additional staff to help with growth in many areas. We are proud to present our teams below by department.



Garwood Management



**Sales
Customer Service**



**Applications Engineers
Program Mangers**



Front Office/ACCT/IT



Climatics

EMC Pico Rivera



NEBS



Shock & Vibration



**Vib/Cli/EMC/EMI
San Clemente**



Hydraulics

A Visit to Calle Negocio...

Located in the hills of San Clemente, this laboratory contains full EMC/EMI and product safety certification testing for South Orange and San Diego counties.



950 Calle Negocio
San Clemente, CA 92673
Tel: (949) 361-9189
Fax: (949) 361-9597

- A2LA Accredited
- Low RF Area
- 2 Certified FCC & IC 3 and 10 meter OATS sites
- 7,000 Sq foot Testing Facility
- 5 electromagnetic interference testing chambers
- Facility approved to CISPR, FCC, ACA & IC
- Full European compliance (CE) testing
- Complete MIL/Aero EMC capabilities per MIL-STD-461E, RTCA/DO-160E, Boeing, Airbus and various other aviation specifications.
- Tech writer assigned exclusively for testing in San Clemente so reports have a rapid turn around time.

Recently tested with Garwood?? Make sure that you have filled out a customer survey to earn additional discounts on future testing.

A Visit to Calle Iglesia...

Located less than two miles from our Calle Negocio facility, is our Calle Iglesia laboratory. This lab offers shock, vibration and climatics testing which is housed in a spacious 7,000 square foot building.



143 Calle Iglesia
San Clemente, CA 92672
Tel: (949) 361-9189
Fax: (949) 361-9597

Dynamics Testing

- (5) Dynamic shakers ranging from 4,000 to 17,000 force pounds
- Multi-channel vibration control and shock data capture systems
- Drop shock tower for performing various shock waveforms
- Centrifuge for performing acceleration testing

Climatics Testing

- (15) Chambers ranging from bench top to walk-in size
- ESS capabilities (Combined vibration & temperature)
- Thermal shock
- Salt spray and Temperature/Humidity
- Thermal cycling
- Icing • Sand & Dust • Temperature/Altitude
- Explosive decompression
- Explosive atmosphere
- Rain (with wind), splash, and drip-proof testing
- Chambers are microprocessor controlled with product savers
- Data recorded on data loggers and chart recorders

Calendar of Events

Stop by and say Hello at the following events

Del Mar Electronics Show May 2-3
Booth # 1019 Del Mar, CA

nXtcomm Jun 18-21
Booth # 5851 Chicago, IL

SoCal Electronics Expo Sep 19
Booth # 514 Costa Mesa, CA

SAE Aero Tech Expo Sep. 17-20
Booth # 609 Los Angeles, CA

Verizon NEBS Conference Nov. 6-7
Booth # TBD Scottsdale, AZ

Aerospace Testing Expo Nov. 6-8
Booth # 1228 Anaheim, CA

Garwood Calle Iglesia Open House TBA


*Is your contact information up to date??
If you have recently moved please make sure that your new contact information is updated with Garwood.*

NEWS Flash

- Garwood continues to march towards a paperless company with the investigation of online test management via secure website and barcode technology

Since our Last Issue...

- Need a last minute quote? Our entire quoting system has been revamped and Garwood can now quickly send a formal quote back by fax or email faster than ever before.
- Dialed the wrong Garwood location??? Our new phone system interlinks all our laboratories so everyone at Garwood is just an extension away.
- Need to get in touch with someone directly by phone? Ask them for their direct phone number so you can get in touch with them directly and faster.
- Pico Rivera is National Voluntary Laboratory Accreditation Program (NVLAP) accredited and both locations are accredited to the American Assoc. for Laboratory Accreditation(A2LA)
- Garwood's main web site has been updated to be more helpful in finding online information for your testing needs 24 hours a day.
- Garwood's test reports are now in .PDF format and are available on a compact disc.
- The main Email address to get in touch with questions about your testing has changed to customerservice@garwoodlabs.com.
- Garwood salutes Frank Duncanson & Richard Sanchez for being part of the Katrina relief effort in New Orleans, La. and Bay St. Louis, Ms.
- Thanks to all of the visitors and distinguished guests who came to our company 50th Anniversary
- Garwood congratulates Frank Duncanson on his certification as a Emergency Medical Technician in its continued commitment to a safe work environment.
- We want to thank everyone who came to our open house and formal opening of our Calle Negocio facility.



Garwood Calle Negocio
(949)361-9189
950 Calle Negocio
San Clemente, CA. 92673



Garwood Pico Rivera
(562)949-2727
7829 Industry Ave.
Pico Rivera, CA. 90660



Garwood Calle Iglesia
(949)361-9189
143 Calle Iglesia
San Clemente, CA. 92672

Garwood Calle Negocio
Full EMC Immunity Test Facilities
EMI/EMC & Product Safety
Low Ambient RF Location
RTCA/DO-160E
Full CE Mark support
3 and 10 Meter OATS Sites
Product Safety Services
Mil-Aero Testing Available

Induced Lightning
BOEING D6-16050-4, Part. 7.4
RTCA/DO-160E, Section 22
Accordance to ARP 5412/ED-84
BOEING D200Z001, Requirements

Climatics
Environmental Test
Explosive Decompression
Explosive Atmosphere
Mil Std 202
Mil Std 810
NEMA Enclosure
Sand & Dust
Salt Fog/SO2 Spray
Solar Radiation
Temp/Alt/Humidity
Temp Cycling
Thermal Shock
Over forty chambers from
1 cubic ft. to 2,000 cubic ft.

Commerical EMC/EMI/RF
EMI/EMC & Product Safety
FCC Compliance Testing
Conducted Emissions & Immunity
Electromagnetic Compatibility & Emissions
Electromagnetic Interference
Full CE Mark Support
IEC/FCC/IC 3 and 10 Meter OATS
Radio Frequency Interference
CCC Mark Testing
Product Safety

Shock & Vibration
MIL-S-901 Hammer Shock
MIL STD 167
MIL STD 202
MIL STD 810
Windmilling Vibration
Seismic Testing
Shock - Pyrotechnic & Classical
Sine/Random Vibration
Temp/Humidity/Vibration

NEBS/Bellcore/Telcordia/ Telecommunications
GR-63-CORE, GR-487-CORE, GR-1089-Core
Fire Testing , Seismic/Earthquake
A Verizon Independent Testing Laboratory (ITL)

Hydraulics
Burst Pressure
Contamination Testing
Hot Oil and Air Flow
Hydraulic Impulse
Helium Leak Testing
Hydrostatic Pressure Testing
Pressure Cycling
Proof/Pressure Drop
Fire testing per AS 1055, FAA
specs, ISO 2685 & AC 20-135

Garwood Calle Iglesia
Environmental Testing
Shock & Vibration Testing
Sand & Dust Salt Fog
Temp Cycling
Thermal Shock
Sine/Random Vibration
Classical Shock

Other Services
Product Testing Engineering Services
Product Testing Consulting Services
Fiber Optics Testing
Package Integrity Testing
ASTM, DOT, ISTA

Automotive Compliance
SAE J-1455
SAE J-1113
DOT Testing
e-Mark

Mil /Aero EMC
Aerospace Testing
RS105
FAA Certification
Induced Lightning
MIL-STD-461
RTCA/DO-160
3-Meter Chamber



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