

Barry Controls Racking Systems

Providing quality avionics racking systems for more than 50 years

Barry Controls Avionics Racking Systems has found its home back in Burbank, Calif. Over the past years, Barry Controls has produced avionics racks, trays and hardware at locations in Massachusetts, Germany, the U.K. and Burbank. Since 2005, all production has been consolidated back to its roots at the Barry Controls Aerospace facility in Burbank.

Barry Controls Avionics Racking Systems is a recognized leader in the design, analysis, manufacture and qualification of trays, racking systems and associated hardware for the installation of electronics and avionics in the commercial and defense industries.

Over the past 50 years, Barry Controls has developed an extensive library of product designs and capabilities to support and protect sensitive equipment in harsh environments in all types of defense and commercial aircraft, including rotary and fixed wing. These racking systems incorporate shock and vibration isolation, structural damping, thermal management, wiring, connectors and composite elements.

Barry Controls Avionics Racking Systems has compiled its broad library of products, capabilities and experience thanks to its long life and willingness to address uncommon challenges and developing technologies.

Burbank, Calif., was the logical location for the consolidation of the various Avionics Racking Systems capabilities. The company can draw from the extensive aerospace manufacturing infrastructure that has developed in the Southern



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California area. The area provides a complete NADCAP-approved supply chain in close proximity to Barry Controls. This reduces logistics in the current time- and travel-sensitive economy and allows Barry Controls to react quickly to market opportunities and conditions.

Technical leadership and exceptional quality have always been hallmarks of Barry Controls and the Avionics Racking System is no exception.

Barry Controls provides application engineering to customers, drawing from its extensive collection of designs. If an existing design does not meet requirements, design engineering will step up to provide the necessary products.

Barry Controls engineers can develop and design a full range of avionic trays and hardware in accordance with international standards such as ARINC 404A and ARINC 600, ARINC 650 for modular avionics and the more rugged military standards including MS91404, MS91405 and NAS 1874-1898.

Applications extend from commercial aviation systems, including EGPWS, TCAS, SATCOM, IFE and INS to defense-related product lines for JTIDS, MIDS, JTRS, NAS and DOD-STD-1788, MS14108 and MIL-F-85731 standard hardware.

New designs are developed in CATIA, which facilitates the modeling necessary for finite element analysis. In-house developed software for dynamics modeling and structural analysis are also available.

Environmental and dynamic testing is available in the complete shock and vibration test lab on site which

can help test Barry Controls racks and trays to MIL-STD-810, MIL-C-172, MIL-E-5400 and MIL-E-5272 when further qualification is required.

Barry Controls is certified to ISO9001:2000 and AS9100 Rev B and has a comprehensive quality management system in place. There is also a resident Designated Airworthiness Representative (DAR) should the need arise.

Understanding the demand for continuous improvement in its processes and capabilities has led Barry Controls to join the Supplier Excellence Alliance (SEA). This organization of the leading aerospace companies is helping Barry Controls meet its commitment to claim itself a lean organization with mature processes throughout its business.

Since 2000, Barry Controls Avionics Racking Systems has been part of the Hutchinson Aerospace Group. As part of the Hutchinson Aerospace Group, Barry Controls, along with sister units, Stop-choc and Vibrachoc, support customers' worldwide requirements for avionics racking systems and hardware.

Barry Controls Avionics Racking Systems specializes in racking and trays for the defense and commercial aerospace industry and offers complete avionics racking support.



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Contact Information

Barry Controls Avionics Racking Systems

Phone 818-843-1000

OR

www.barrycontrols.com