

Amphenol in Mesa, Arizona

Amphenol Military and Aerospace Operations (AMAO) made a significant investment in 2019 to establish a western U.S. center in Mesa, AZ. The goal was to have a **base of operations near our key West Coast customers** and to utilize the greater Phoenix area to expand our design and manufacturing capabilities.

AMAO Mesa, which is spread over 150,000 sq ft. in multiple buildings, consists of **five different Amphenol Military and Aerospace divisions**: Amphenol Printed Circuits, Amphenol Aerospace, SV Microwave, Times Microwave Systems, and Amphenol Borisch Technologies. There are currently 250 employees with plans to expand beyond 300 by 2022.

AMAO Mesa will continue to expand its domestic U.S. production, design and manufacturing capabilities, physical footprint, and workforce into 2022 and beyond -- all with the intent of being **the most flexible interconnect provider in the military and aerospace markets** and being closer to our customers.

	 Amphenol Aerospace	 Times Microwave Systems	 Amphenol Printed Circuits	 SV Microwave	 Amphenol Borisch Technologies
 Manufacturing and Lab Capabilities	Shell Machining <i>(300K shells/year)</i> Contact Machining <i>(7.5M contacts/year)</i> Connector and Contact Assembly	Microwave Cable Assembly Space Cable Assembly Certified Class 7 Cleanroom 3D X-Ray Dquipment	Flex and Rigid-Flex Assembly Wave Solder	Local model shop and Test capabilities (67Ghz) Real time X-ray; Tape and reel packaging Rapid response cables with 10 day delivery Semi-automated cable bundling and CISU RF Cable Assemblies RF Connector Assemblies	Molding (Compression, LPM, Pour-Molding, etc.) Machine Braiding Cable and Wire Layout and Assembly Electrical & Environmental Testing 3D-printed formboards/ fixtures Semiautomated Wire Preparation Mechanical Assembly
Workforce	120 <i>(by 2022)</i>	100	25	35	35
Certifications	AS9100	ISO 9001/9002	AS9100D, IPC-610	AS9100D	AS9100D, NADCAP, IPC-610/620/7711/7721 Class 3 and Space Addendum
Facility Size	70,000 sqft	40,000 sqft	10,000 sqft	11,000 sqft	20,000 sqft
Products	Mil-Spec D38999 Series I, II, III High Speed 38999 Derivatives D38999 Class G outgas MRC Connectors Micro-D Connectors Filter Connectors Cable Assemblies Contact Assembly Automation	Mil-spec Coax cable assemblies and bulk cable High performance Microwave cables > 40Ghz SiO2, High temp Coax cables Ultra-low phase stable cables Ruggedized multi-port RF connector systems	Flex assemblies Rigid-flex assemblies	RF/MW Interconnect solutions Coaxial connectors Cable assemblies Passive components	Cable and Wire Harnessing Electronic Box Assembly
Future Developments	Rubber and plastic molding High-speed milling High volume 2M shell production NAVAIR qual for contacts Selective annealing for contacts Automated high volume brush contact manufacturing	SiO2 high temp cable extrusion Small profile Coax connectors and cable assemblies 5G high frequency connectors and cable assemblies	SMT - Pick and Place RF Assembly RF Testing	Machine shop in Plant # 2 - 10K sq ft across the street CNC Lathes and Mills – 4 to 6 machines by 2022 Laser stripping machine Semi rigid cable bending machine	Schleuniger Wire Processing Center (Laser-Marking) & Secondary Processing Equipment Large-Format Oven Expanded Cirris CH2 testing capabilities for fully-automated function testing Injection Molding Centrifugal vacuum