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Manufacturing Services

*Electrical Wire Harnesses
Electrical Stator and Rotors*



Niacc (0JM09) is a large business certified to the latest revision of ISO9001 and AS9100, with over 30 years in military and commercial contracting experience.

Headquartered in Clovis, California, Niacc consists of a 42,200 sq. ft. facility with 115 qualified team members, 85 Technicians, 25 winding manufacturing team members, Mechanical & Electrical Engineers and 10 Quality Control Personnel.

For military specific requirements, our resources include a Program Management Office (PMO) in Layton, Utah based in close proximity to the Hill Air Force base that serves as a hub for military business development activities and contract support.

Experience

We provide all-inclusive, wiring harness manufacturing, parts procurement, inventory management, technical engineering services, and MICAP Support:

- ▶ Experienced in the manufacture and rework of a wide range of standard, non-standard, and Commercial-Off-The-Shelf (COTS) wiring harnesses for airframe, engine, and landing gear systems
- ▶ Experienced in executing, managing, and delivering on complex ID/IQ contracts in strict adherence to contract requirements (FARs, DFARs, etc.), Higher Level Quality Control Provisions, and Delivery Specifications

Value Added Services

Niacc offers additional cost savings initiatives and Diminishing Manufacturing and Material Shortages (DMSMS) solutions with new FAA/PMA development (Reverse Engineering) and DER alternatives (extended repairs not available on the OEM technical documentation).

Quality Assurance

Our Total Quality Assurance Strategy complies with multiple levels of Quality Assurance including Process Control, Inspection/Sampling Procedures, Calibration of Measuring and Test Equipment, Compliance with Environmental, Health and Safety Requirements, and Federal Acquisitions Regulation (FAR) compliance.



Electrical Harnesses

Airframe – Engine – Landing Gear

Experience

Niacc has over 80 years of combined experience in Airframe, Engine and Landing Gear harness manufacturing and maintenance. Our dedicated staff come from various branches of the armed services and deliver the highest in quality to our customers. Over 1,200 harnesses are shipped each year at less than a 1% warranty return rate. We provide all inclusive wire harness manufacturing, parts procurement, inventory management, technical engineering services and MICAP support.

Overbraiding

Niacc has three machines capable of installing Tefglass, Nickle Coated Copper, Peak and/or Nomex braiding.

Platforms

Commercial: Boeing/Airbus aircraft & related engines
Regional: ATR, Bombardier, Embraer and related engines
Military: A-7, F-14, F-15, F-16, F/A-18

Quality System

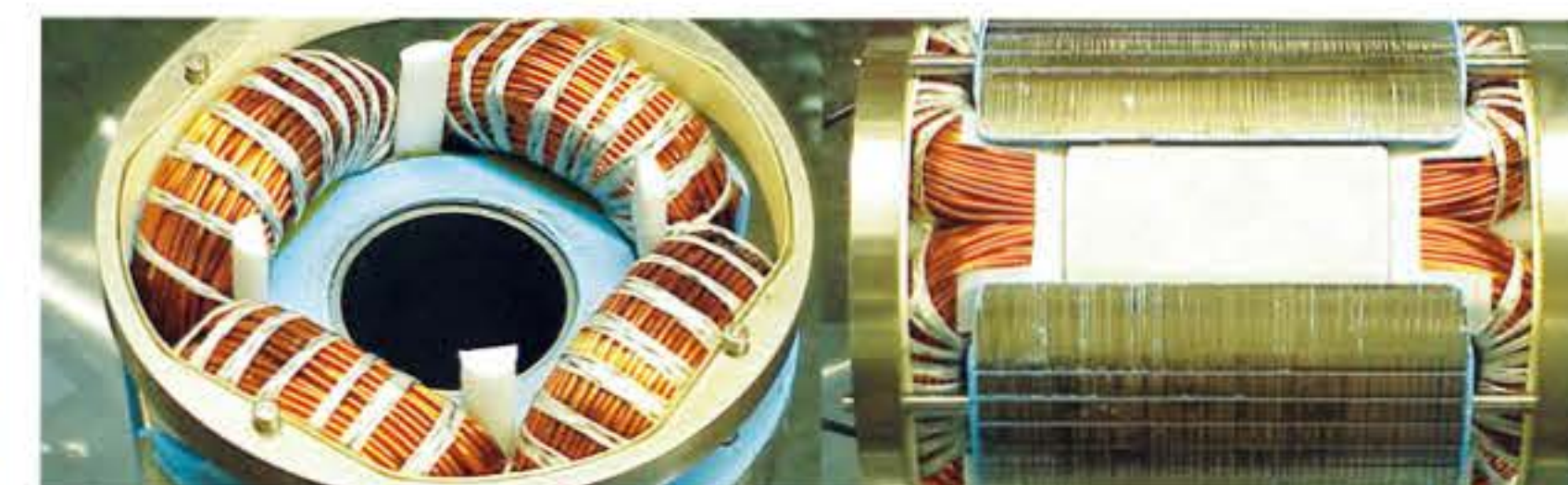
Niacc's Quality Management System is approved to AS9100C and is FAA Approved (DC3R444L).

Testing/Validation/Marking

All harnesses undergo extensive testing using a computer based analyzer. Wires are identified using a laser marking machine.

Engineering Services

Engineering services are available to create DER/STC repairs as needed. Niacc-Avitech is a STC/PMA holder of landing gear harness assemblies.



Electrical Stators and Rotors

Round and Rectangular Wire Designs

Experience

Niacc has approximately 20 years of electrical stator and rotor manufacturing experience. Our dedicated staff includes mechanical and electrical engineers.

Platforms

Our products can be found on military vehicles and missiles as well as in aircraft power generation systems and oil exploration drills.

Stacking/Machining/Fluidizing Capability

Niacc offers Stacking, Grinding and Fluidizing services thus eliminating the need for outsourcing.

Vacuum Pressure Impregnation

Niacc has Vacuum Pressure Impregnation capability covering a wide range of varnishes.

Prototype Services

Whether going into production or needing prototype support, Niacc's Engineering team is ready to assist.

Inspection Equipment

Incoming Material Inspection:

Performed dimensionally and/or optically to ensure product conformity.

Final Inspection:

All units undergo a series of dimensional and electrical tests ensuring contract specifications are met.