



# Industrial

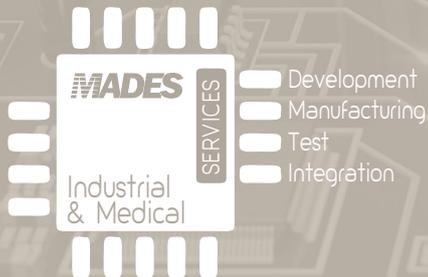
MADES can take your requirements from initial concept and design, seamlessly through to high volume mass production, and product life support. One of the great attributes of MADES' manufacturing capabilities is its versatility and ability to readily adapt to new markets and technologies. MADES currently serves customers in the medical, automotive, energy, vision, and other markets. Our experience includes such products as radio-frequency identification (RFID), navigation aid systems, high-end cameras, electro-medical equipment and implantable devices.

Customers appreciate MADES' experience, electronic capabilities, deterministic processes and reliable Program Management to support the out-sourcing of critical subsystems and assemblies to help bring new products quickly and profitably to market.

# Medical

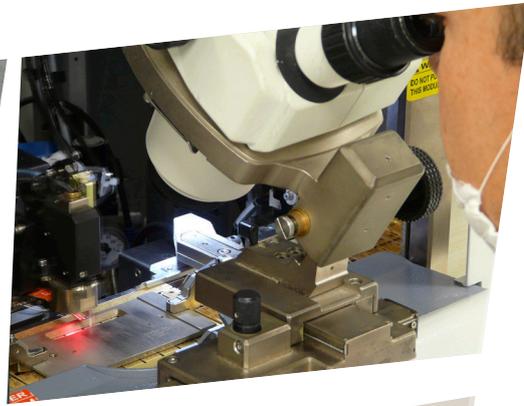
MADES is a fully integrated firm specializing in the design and manufacture of complex, precision electronic systems, and subsystems for the Life Sciences Industry. We offer clean room manufacturing space as well as experience and technological expertise to accommodate large and small production runs of delicate medical devices. We help our clients exceed the stringent FDA approval processes, and offer unparalleled quality, competitive pricing, and excellent customer service.

MADES' research and development engineers are available for joint R&D projects to identify cost effective solutions, manufacturing efficiencies and superior design approaches. In taking a project from concept to manufactured product, MADES gives its customers repeatable, high quality performance.



## High Reliability Electronic Systems





## Services

### Development

By including MADES engineers as part of your integrated product team, you **ensure superior electronic and mechanical design excellence from the beginning**. Leveraging MADES' engineering experience and capabilities can shorten program cycle time and produce more cost effective and reliable products in record time.

**The key at MADES is to start with manufacturing success in mind and work backward to the optimum design.** MADES customers have come to rely on MADES to deliver consistent and proven production. MADES program management achieves this by approaching all projects with an integrated product team. Customer focus provides reliable status updates at the most demanding development stages to support the most aggressive production schedules.

### Manufacturing

**The design and manufacture of complex electronic systems has been one of MADES' core capabilities for over 25 years.** MADES' electronic manufacturing service provides flexible and highly competitive fabrication of electronic assemblies, as well as complete box build and distribution services. One of the great attributes of MADES' manufacturing capabilities is its versatility and ability to readily adapt to new markets and technologies.

Our ability to protect the electronic assembly by using a **wide range of Conformal Coating materials and technologies** also allow us to provide our customers with additional rugged solutions for their needs.

**Our expertise derives from a commitment to quality and great legacies in the world of electronics inherited from Raytheon and Hughes.** Our combined histories of accomplishments not only define who we are and how we work; it also promises what we are capable of accomplishing in the future.

### Test

**We also design complete custom product** and customer test strategies. We design test strategies that best adapt to each customer and product. MADES utilizes a full suite of computerized optical, electronic, functional and environmental tests for qualifying new designs and insure consistent quality. These include Automatic Optical Inspection, Flying Probe Testing, X-ray, In-Circuit tests. Functional test development is one of our key services most demanded by our customers. We also have thermal, humidity, shock and vibration testing ability.

### Integration

**MADES seamlessly integrates its advanced electronics capabilities to final turn-key customer solutions.** We offer our customers complete end-to-end production services, including leading edge electronics, manufacturing, and sub-system integration.

Additional services such as **obsolescence monitoring, strategic purchases, and obsolete product redesign** are other examples of what MADES can offer.

MADES delivers complete solutions for even the most complex products and programs **starting from initial concept and design, through to final production, integration and life-cycle support.**



Industrial  
& Medical

# M A D E S

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