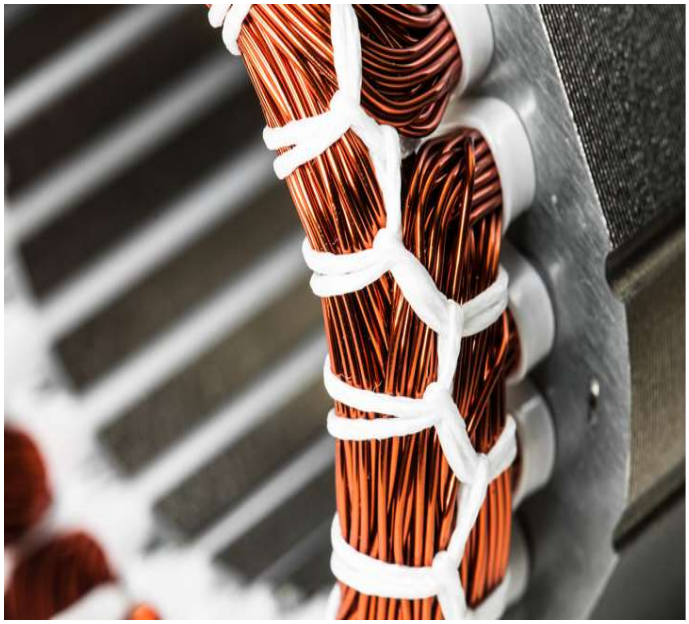
Composite Motors, Inc.

Custom Electrical Motors



- **Top/Down Design: Build to Print**
  - Frameless, Autoclavable and conventional AC/DC Electric Motors
  - Design For Manufacture
- **Standard Products**
  - Brushless DC Motors
  - 12V-28V
  - Up to 350W
- **Bottom/Up Design**
  - Fully Customized Design, Including Harsh Environments
  - Wound Stator, Rotor Assembly and Gearbox
- **Applicable Markets**
  - Medical Devices
  - Industrial
  - Military/Aerospace

Case Study 1: Top/Down Design of 8" Diameter Wound Frameless Motor

- In-House Vertical Integration:
  - Prototype Development
  - Laser Cutting
  - Custom Fixturing and Tooling
  - VPI Processing
  - Test/Validation
- DFM Implementation:
  - Stator
  - Coil Winding

Case Study 2-Standard Brushless DC Motor/Controller

- Autoclavable
  - Glass Seals
  - Brazed Joints
  - Overmold
- Applications Used in:
  - Medical Devices
  - Military/Aerospace
- Customization of product to meet specifc requirements determined by the customer

Case Study 3-Bottom/Up Fully Custom Design

- Design Services:
  - Motor Simulation
  - Material Selection
  - Mechanical Design
  - DFM
- In-House Vertical Integration:
  - Prototype Development
  - Laser Cutting
  - Custom Fixturing and Tooling
  - Hand and Automated Winding
  - VPI Processing
  - Test/Validation

SUMMARY

CMI offers customers the flexibility to manufacture a product that meets their design criteria or select/modify an electrical motor from CMI.

Our Engineering expertise ranges from Design For Manufacture of a Frameless Motor to the development of a bottom up design for harsh/extreme environments

Due to CMI's vertically integrated manufacturing capabilities including laser cutting, precision machining, injection molding and PCB Assemblies; our customers benefit from aggressive lead times, cost containment and high quality standards.

ABOUT US

Our story is a long one and while the years have brought many changes, from our company name to our industry, we have never faltered in our mission to deliver highly designed and performing custom solutions.

We began as Joburn Tool in 1966 in Attleboro, Massachusetts working in the tool and die business before taking the steps toward manufacturing semiconductor packaging materials for the electronics industry as Composite Technical Alloys. After decades in the industry, we created Composite Modules, Inc. which was followed by the creation of our sister company, Composite Motors, Inc.

Since 1965, we have been committed to delivering high quality and high precision electronic products for extreme environments. Composite Motors has met the continuous demand from industry leaders for smaller size, greater functionality, and innovative electronic devices that operate in harsh environments.

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