



MAGNETIC SENSORS CORPORATION

Measuring the rate of progress since 1983



COMPANY PROFILE

Who We Are



Magnetic Sensors Corporation has been providing high-quality and customized coil assemblies for over 40 years. As an AS9100D-ISO9100:15 certified company, we take pride in our expertise in delivering cutting-edge magnetic sensor technology solutions for various industries, from automotive to military and defense. We provide excellent service and support to our customers and strive to uphold our commitment to excellence in everything we do.

Our mission is to sustain our growth and success by continuously conducting research and development, making strategic purchases and acquisitions, and expanding our offerings in the field of sensor technology to cater to existing and new markets.



What We Do Best!



Engineering Support

Our on-site engineers provides specialized technical assistance for your speed sensor manufacturing needs, ensuring optimal product performance and reliability.



Robust Quality System

We are ISO and AS9100D certified manufacturing company with rigorous quality standards for high product quality and consistency.



Production Flexibility

A US-based manufacturing company that meets varying customer demands with consistent high-quality production from small to large-scale orders that saves time and money.



Responsive Supplier

Our experienced technical team will assist you with your application-specific requirements and provide reliable service.

Quality and Certifications



At **Magnetic Sensors Corporation**, we value our customers and strive to understand their needs through rigorous processes. We take careful control of customer-supplied and other materials and conduct diligent inspections to ensure compliance with industry standards.

We are proud to maintain various certifications that attest to our commitment to quality and excellence in our products and processes.

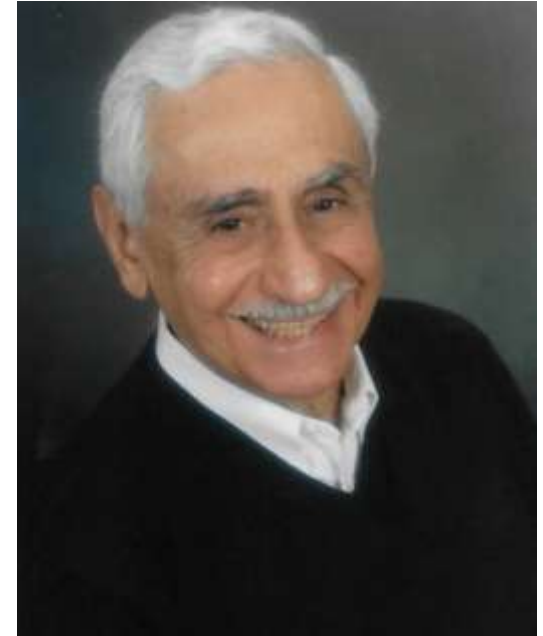


Our History

CHARLES BOUDAKIAN

Founder/President

- US Navy Veteran
- BS Industrial Engineering, Columbia University NY
- Active major shareholder
- 50-plus years' experience in general and engineering management



Magnetic Sensors Corporation started in 1983 by providing sensors for computer peripherals like disk drives, tape recorders, and printers. Charles Boudakian, the Founder and President, has been with MSC since the beginning and has played a vital role in the company's growth.

Over the past 40 years, MSC has shifted its focus to a diverse range of customers, industries, and applications beyond computer peripherals. The company has expanded its product line to include variable reluctance sensors, Hall Effect sensors, quadrature, pressure, temperature, vehicle speed, and rotary position sensors. MSC's sensors are available in various shapes and sizes, and the company is continuously working on expanding its product line to cater to evolving market needs.

Our Expertise



Max Amirkhizi PhD

Vice President Finance and Operations

- BS Mechanical Engineering & Engineering Technology
C State, Sacramento
- PhD Technology and International Relations, University of Denver
- 35-plus years' experience in management and project delivery

Don Payne

Senior Technical Advisor

- US Navy Veteran
- BS Electrical Engineering, Washington University
- 40 years as MSC's VP of Engineering
- Served as an expert in the subject of magnetics in federal court cases
- Granted 14 patents for instrumentation techniques in the fields of medical, aerospace, automotive, and industrial process control

Ameen Shahini

Chief Engineer - Technical Department

- BS Electrical Engineering, Southern Illinois University
- 30-plus years' experience in engineering design and leadership
- Designed and development sensors and harnesses
- Tested and calibrated diesel-engine locomotives
- Served as quality assurance in manufacturing

MSC Products

SPEED SENSORS



Variable Reluctance Sensors

- Passive Speed Sensors
- Digital Variable Reluctance
- CSA/Explosion Proof Sensors

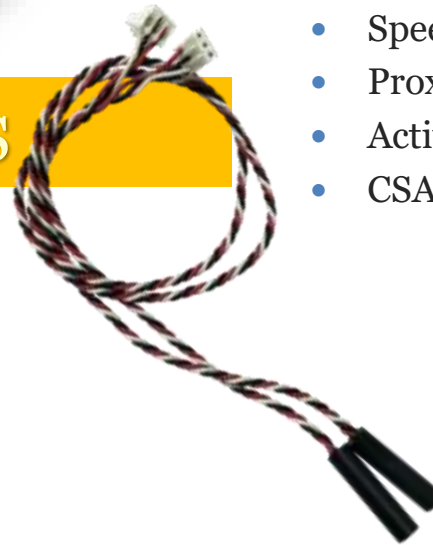
Hall Effect Sensors

- Speed and Direction
- Proximity Switches
- Active Speed Sensors
- CSA/Explosion Proof Sensors



TEMPERATURE SENSORS

- Thermistor
- Thermocouple



MSC Products

CUSTOM COIL

MSC custom coils can be wound from **14 AWG** ($\varnothing.0675''$ or 1.715 mm) magnet wire all the way to **56** ($\varnothing.00059''$ or 0.015 mm) **AWG** magnet wire. We have the coil solutions you need.

Typical uses:

- Actuators
- Antennas
- Electromagnets
- Inductors
- Linear Motors
- Sensors
- Transmitters



Markets Served



DESCRIPTION	APPLICATIONS
AEROSPACE	<ul style="list-style-type: none"> • Steering Mirror Actuators • Valve Actuators
AVIATION	<ul style="list-style-type: none"> • Brake Controls • Jet Engines • Turbochargers • Fuel Pump • Hydraulic Pump and Motor
AUTOMOTIVE	<ul style="list-style-type: none"> • Flywheel Speed Sensor • Engine Governor Actuator • Ignition Timing • Traction Control Valve Actuator • Dynamometer • Transmission • Turbocharger • Electromotive

Markets Served



DESCRIPTION	APPLICATIONS
INDUSTRIAL	<ul style="list-style-type: none"> • Diesel Engines • Engine-Powered Compressors • Engine-Powered Generators
MILITARY	<ul style="list-style-type: none"> • Speedometer Cable Assemblies • Under Speed Switches • Turbochargers
RAIL / LOCOMOTIVES	<ul style="list-style-type: none"> • Traction Control • Brake Control • Propulsion System • Engine Cam and Crank Shaft • Signaling • Turbochargers • Temperature Probe

References/Key Accounts



Manufacturing Facility

