

MAGNETIC SENSORS CORPORATION

Custom Coil Assemblies

Magnetic Sensors Corporation has earned a reputation for producing high quality and innovative custom coil assemblies for a wide variety of applications. Designing, engineering, tooling and manufacturing all performed in-house by MSC personnel.

MSC has the capacity to produce coils in sizes ranging from large, 16 gauge windings, to tiny 56 gauge. Some so small they are hard to see with the naked eye.

Flat wire and square wire technologies allow more powerful, more compact coils.

Production flexibility allows runs from prototypes, short runs, and large production runs, maintaining consistent quality, regardless of the quantity.



Coil Types

- Bobbin Wound
- Free Standing (no bobbin)
- Magnetic Pickup Speed Sensor coils
- Custom Solenoids

Coil Shapes

- Round
- Rectangular
- Trapezoidal
- Sector of Cylinder
- Bias Coils

Coil Sizes

- Minimum - .011" Diameter (magneto optical application)
- Maximum - 6" Diameter

Wire Gauges

- Minimum - 56 AWG
- Maximum - 16 AWG

Bonding

- Wet Epoxy
- Heat Bonding
- Heavy Duty - Wound with wet epoxy then heat cured for outstanding mechanical integrity

Overmolding

- Transfer Molding
- Injection Molding
- Thermoset Plastics
- Thermoplastics