

**MANUFACTURING EXCELLENCE SINCE 1951**

**AS9100D / ISO 9001:2015 / ITAR / SBE / MBE / WOSB / SB-PW / WBE**

**Precision Plastic Molding**

**Metal Over-molding**

**AS9100 Quality Assurance**

**FAIR AS9102 / Testing**

**Engineering / Tooling**

**Low Tolerance Machining**

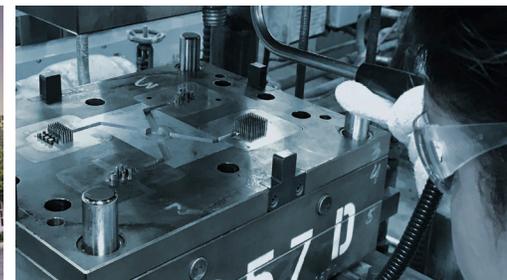
**5 Axis Wire / Sinker EDM**

**Precision CNC Machining**

**Assembly / Fabrication**

**RAKAR designs, manufactures, and supplies engineered, precision plastic components and related materials for use in Aerospace, Defense, Medical And Industrial Applications; specializing in Thermoset, Thermoplastic and Resin Metal Over-molding.** Founded in 1951, RAKAR has continuously operated with the goal of providing high-quality components, competitive lead-times, value, and reliability to our clients. We provide thermoplastic transfer, compression, and injection molding services; as well as precision machining and tool making. We pride ourselves in meeting client expectations, whether for short run design engineered prototypes, or fulfillment on multi-year government and commercial contracts.

**[www.rakarinc.com](http://www.rakarinc.com)**



**ELITE GLOBAL SUPPLIER**



**RAKAR**

**WOMEN AND MINORITY OWNED BUSINESS**  
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## INDUSTRIES SERVED

Transportation

### Aerospace

Electronics

### Defense

Automotive

### Fire Control

Composite Tooling

### Marine

Consumer Electrical

### Industrial

Machining

### Medical

MRO

### Mining

Packaging

### Pharmaceutical

Conveying

### Plastic Fabrication

Scientific Instrumentation

### Semiconductor

## APPLICATIONS

Connectors

### Insert Molding

Cable Assemblies

### Electrical Insulators

Fabricated parts

### Circuit Board Connectors

Housings

### Plastic Tools

Machined Components

### Medical Connectors

Molds & Cavities

### Seals

Gaskets

### Auxiliary Power

Units

### Heavy Duty Connectors

High Voltage Connectors

### Switch I.D. Buttons

Firewall Connectors

### Insert Molded Switches

Composite components

## CAPABILITIES

Insert Molding

### Assembly

Bonding

### Machining

De-Gating / De Flashing

### Tapping / Polishing

Grinding

### Bead Blasting / Annealing

Pad Printing / Bar Coding

### Custom Packaging

Warehousing / Drop-Shipping

### Fabrication

Adhesive Bonding

### Ultrasonic Welding

Heat Staking

### Secondary Finishing Operations

Machining (Pre & Post)

### De-Flashing

Threaded Inserts

### Over Molding Plastic

Custom Inserts

### Connectors & Pins

## PROPERTIES

High Temperatures

### Low Smoke Emissions

High Chemicals Resistance

### Excellent Creep Resistance

High Mechanical Strengths

### Variety of Colors

High Chemical Resistance

### No to Low Outgassing

Low Smoke Emission

### Inert to Fungus Growth

Different Formulations

### Low to None Outgassing

Unaffected by Sea Water

### Resistance to Thermo Shock

Excellent Surface Appearance

### V-O Flame Resistant

High Temperature

### LO & Variable Udometers

High Impact Strength

## MATERIALS

**THERMOSET** / Phenolic / **Phenolic, Glass Filled** / Epoxy / **DAP** / Silicone / **Polyester** / Melamine Phenolic  
**Diallyl Phthalate (DAP)** / silicone (RTV) **THERMOPLASTICS** / Acrylonitrile Butadiene (ABS) / **Polyimide**  
**(Nylon)** / Polypropylene (PP) / **Styrene Polycarbonate (Lexan)** / Polystyrene (PS) / **Acetal (Delrin, Celcon)** / Polyester  
(PBT, PET) (Valox, Celanex) **Polyurethane (PU)** / Acrylic (Lucite, Plexiglas) / **Polyetherimide (Ultem)** / Polyether Ether  
Ketone (PEEK) / **Butyrate (Tenite)** / Polyphenylene Sulfide (Ryton, Fortron, PPS) / **Styrene Acrylonitrile (SAN)** /  
Polyphenylene Oxide (Noryl) **Thermoplastic Elastomers (Santoprene, Krayton)** / Acrylic / **Capron** / Celanex **DAP,**  
**Black** / DAP, Blue / **DAP, Green Injection Grade** / DAP, Long Glass / **DAP, Preformed** / DAP, Red Injection Grade **Delrin** /  
Diall / **Epiall** / Epoxy, Black 20 Gr. / **Epoxy, Black Injection Grade** / Epoxy, Black Transfer Grade / **Epoxy, E-484** / Epoxy,  
Long Glass / **Epoxy, Red Transfer Grade** / Epoxy, Transfer Grade / **Fortron, Black PPS** / Fortron, Natural PPS / **Hdpe,**  
**White** / Melamine / **Nylon** Nylon, Natural / **PEEK** / Perstorp / **Phenolic, Black Flow** / Phenolic, Black Soft Si / **Phenolic,**  
**Black Transfer** / Phenolic, Black Type Mfh / **Phenolic, Red Chopped Glass** Phenolic, Soft Si / **Plenco** / Polycarbonate  
/ **Polyester, Glass** / Mineral / **Polyetheretherketone** / Polyetherimide **Polyetherimide, Black** / Polyethersulfone /  
**Rubber** / Ryton, Black Pps / **Thermoset** / Thermoset Polyester / **Thermosetting Silicone** / Ultem / **Valox, Black Seo** /  
Valox, Natural / **SEO** / Vectra / **Vectra, Black** / **Victrex** / Vydine / **Zytel**

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