

MRO MANUFACTURING

PLASTIC AND RUBBER APPLICATIONS

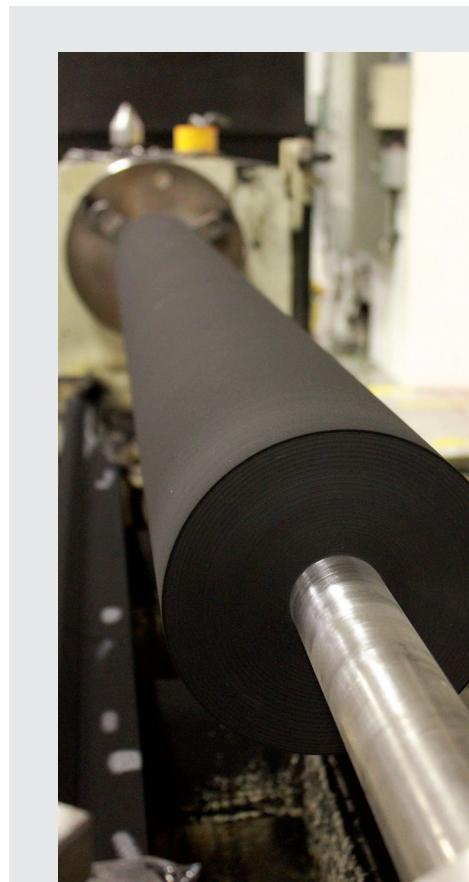
Plastics provide numerous advantages for any manufacturing operation. They're lightweight, hold up well under extreme conditions and are an excellent cost-effective alternative to metal.

ADVANTAGES

-  Reliable, durable, long-lasting
-  Easy to fabricate
-  May eliminate the need for additional lubrication
-  Excellent electrical properties
-  Lightweight
-  Quiet
-  High strength-to-weight ratio
-  Minimizes wear on mating metal parts
-  Excellent surface appearance
-  Impact and abrasion resistant
-  Machinability and weldability
-  Excellent bearing and wear
-  Chemical and corrosion resistant
-  Cost effective

DID YOU KNOW?

The United States is the world's largest manufacturing economy, producing 21 percent of global manufactured products. China is second at 15 percent and Japan is third at 12 percent.





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TYPICAL APPLICATIONS

- ▶ Bushings and bearings
- ▶ Electrical insulators
- ▶ Gears, manifolds, pulleys, cams
- ▶ Rollers
- ▶ Patterns
- ▶ Parts carriers
- ▶ Dunnage
- ▶ Sheaves
- ▶ Slide pads
- ▶ Sprockets
- ▶ Valve components
- ▶ Corner tracks, rails, bumpers
- ▶ Wheels
- ▶ Housings
- ▶ Guards and safety shields
- ▶ Structural parts
- ▶ Electrical insulators
- ▶ Chain guides, machine guards, wear strips
- ▶ Housings
- ▶ Seals and gaskets
- ▶ Star wheels
- ▶ Valve components
- ▶ Windows
- ▶ Shaft collars

MATERIALS:

- ▶ Acetal (POM)
- ▶ Acetate (AC)
- ▶ Acrylonitrile-Butadiene-Styrene (ABS)
- ▶ Acrylic (PMMA)
- ▶ Chlorinated Polyvinyl Chloride (CPVC)
- ▶ Glycol Modified Polyester Terephthalate (PETG)
- ▶ High-Density Polyethylene (HDPE)
- ▶ Nylon/Cast Nylon (PA)
- ▶ Phenolics (Industrial Thermosets)
- ▶ Plastic Lumber
- ▶ Poly-Imide (PI)
- ▶ Polyamide-Imide (PAI)
- ▶ Polybutylene Terephthalate (PBT)
- ▶ Polycarbonate (PC)
- ▶ Polyetheretherketone (PEEK)
- ▶ Polyester films
- ▶ Polyethylene Terephthalate (PET/PETE)
- ▶ Polyphenylene Sulfide (PPS)
- ▶ Polypropylene (PP)
- ▶ Polysulfone (PSU)
- ▶ Polytetrafluoroethylene (PTFE)
- ▶ Polyurethane (PU/PUR)
- ▶ Polyvinyl Chloride (PVC)
- ▶ Polyvinylidene Fluoride (PVDF)
- ▶ Silicone (SI)
- ▶ Ultra-High Molecular Weight Polyethylene (UHMW-PE)

Manufacturing & Fabrication Services

Redwood Plastics and Rubber is dedicated to the specialized requirements necessary to turn stock plastics, rubber and composites into precision mechanical components of the utmost quality.

We can design, machine, mill, weld, route, and drill to produce prototypes, short runs, production runs or maintenance parts.

Save time and money by utilizing our experienced fabricators and plastic and rubber specialists.

