



## OVER 60 YEARS OF PLASTIC INNOVATION

For more than six decades, Gemstar has been a leader in rotational molding and thermoforming, creating high-quality, durable plastic parts for a wide range of industries. From concept to completion, our expertise ensures every tank meets the highest standards of performance and reliability.

### THE GEMSTAR DIFFERENCE

- **Technology Forward:** We push the limits of plastic manufacturing. We invest in manufacturing technology that provides you with more product options, higher-performing products, and faster turnaround times.
- **Design Engineering:** Our engineers work closely with you to create tanks that fit your exact needs, including complex geometries and custom features.
- **Tool Manufacturing and Maintenance:** Our team can design, build, and maintain your tool to maximize its lifespan and ensure industry-leading parts every time.

#### FUEL TANKS

Gemstar manufactures fuel tanks to hold both gasoline and diesel.

- **Our EPA-certified gasoline tanks** are created using Hostaform® POM RF, exclusively formulated for rotational molding.
- **Our diesel tanks** are created using cross-linked polyethylene (XLPE), a network structure stronger than polyethylene alone.
- Our lightweight, durable tanks can take the place of metal where traditional shapes won't fit. Complex geometries allow you to maximize capacity and save weight and can also reduce costs.

#### FLUID TANKS

Gemstar manufactures fluid tanks for water and chemicals.

- **Our fluid tanks** are made from high-density, medium-density, and low-density polyethylene (HDPE, MDPE, LDPE, and LLDPE).
- Polyethylene is lightweight, highly durable, and versatile, lending itself to many applications.
- Polyethylene delivers exceptional savings without compromising performance. It's commonly used in tanks that hold water, cleaning solutions, and liquid chemicals.

#### HYDRAULIC TANKS

Gemstar manufactures hydraulic tanks for hydraulic fluid storage.

- **Our hydraulic tanks** are made from Nylon 6, a material known for its mechanical strength, toughness, wear resistance, and chemical resistance.
- Nylon 6 is designed to withstand high pressures and elevated working temperatures and is reliable for demanding hydraulic systems.



## GEMSTAR'S ROTATIONALLY MOLDED TANKS ARE SUPERIOR TO METAL TANKS: HERE'S WHY

- **Design Flexibility:** From simple to complex geometries, our tanks can integrate features like cupholders, storage compartments, and internal baffles directly into the design.
- **Lightweight and Impact-Resistant:** Plastic tanks reduce weight without compromising strength.
- **One-Piece Construction:** Without plastic or metal weld seams, there are fewer potential leak points, ensuring reliability over time.
- **Affordable Replacement:** Plastic parts are usually more economical to produce and procure than metal parts due to streamlined fabrication processes. Most plastic parts require less machining and can be created in fewer steps.
- **Corrosion-Resistant:** Say goodbye to rust and corrosion issues common in metal tanks.
- **Removable Fittings:** Our tanks support removable and replaceable bulkhead fittings, making maintenance and component changes as simple as they are with metal tanks.

### THE ADVANTAGES OF ROBOMOLDING® ROBOTIC ROTATIONAL MOLDING

Our exclusive Robomold® technology delivers precise, repeatable parts with optimized strength-to-weight ratios and unmatched design flexibility, including the ability to integrate layered compounds and coatings.

## GEMSTAR'S SERVICES

### COMPREHENSIVE TANK SUPPORT

At Gemstar, we go beyond tank manufacturing by offering comprehensive services that streamline your project from start to finish.



#### ASSEMBLY AND COMPONENT SOURCING

Our team can deliver fully assembled solutions with sourced components, ready for seamless installation.



#### ONE ON ONE DESIGN SUPPORT

Through 1:1 design support, our engineers work closely with you and your engineers to develop a tank tailored to your exact specifications.



#### TOOL MANUFACTURING & MAINTENANCE

With complete in-house tooling capabilities, we not only manufacture precision tools but also provide ongoing maintenance to ensure consistent quality.

## GEMSTAR: YOUR PARTNER IN TANK INNOVATION

From standard to complex designs, from gas to hydraulic to water storage, Gemstar delivers tanks built to last—designed for your application and engineered for performance.

[BOOK A DESIGN CONSULTATION](#)