



# Custom Plastic Tanks

## Custom Tanks

Custom plastic tanks give you flexibility when constructing your tank. We have tank fabrications that fit your specific project. We offer roto mold, thermoplastic injection mold, high-pressure bladder mold, or compression mold tanks. Let us customize your tank to the size, shape, or unique design you need.

## Strong and Durable

Custom tanks are strong, durable, and long-lasting. Plastic tanks are suitable for water, chemicals, and commercial use. Our custom plastic tanks offer a wide range of applications including industrial, municipal, construction, and agricultural uses. Custom tanks are:

- Strong
- Versatile
- Lightweight
- Cost effective



Our tanks are customized to meet your specific needs, including special fittings, custom colors, and special shapes. We offer a wide variety of tank molding processes for you to choose from to help you find the right technique for your unique tank or parts application. We work closely with you to ensure we deliver the perfect tank for your project needs.



### Features:

- High-quality materials
- Rust and corrosion resistant
- Chemical resistant
- Strong, durable manufacturing
- Safe for water, food, and beverages
- Seamless designs available

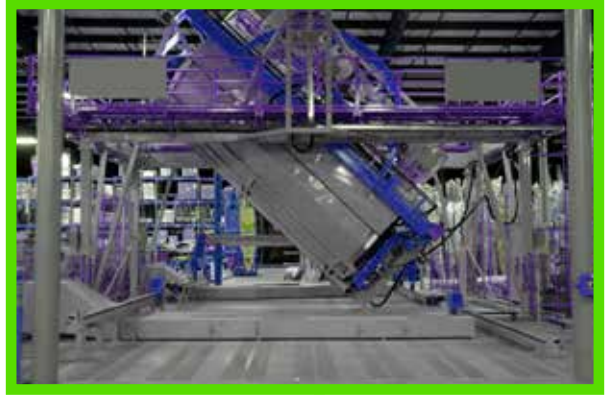


## Rotational Molding

Rotational molding, or roto molding, uses heated plastic resin in a mold, and rotates around two perpendicular axis. The heat causes the material to melt and coat the inner surfaces of the mold. Rotational molding is ideal for producing large, hollow seamless tanks. Roto molding is used to make very specific sizes and shapes for tanks and parts. Because it is faster and more efficient, it saves time and money.

Advantages:

- Provides high levels of durability
- Resistant to impact and chemicals
- Creates large tanks with consistent wall thickness



## Thermoplastic Injection Molding

Thermoplastic tank manufacturing involves heating thermoplastic material to its melting point, and then injecting it into a mold cavity. This process creates complex tank designs with smooth surfaces and tight tolerances. Thermoplastic injection tanks can be produced in large volumes and are resistant to a variety of chemicals and other corrosive materials.

Advantages:

- Creates complex shapes and designs
- Has high strength-to-weight ratios
- Provides excellent resistance to impact and chemicals



## Compression Molding

Compression molding compresses preheated plastic material into a mold cavity. The mold is under high pressure until the plastic takes on the desired shape with a smooth finish and high strength. This process is best suited for producing tanks with uniform wall thickness and simple shapes. Compression molding offers high precision and consistency, which is especially beneficial for creating large and intricate custom tanks. This type of manufacturing is a cost-effective option for low to medium volume production runs.

Advantages:

- Creates strong, lightweight tanks
- Withstands high pressure
- Resistant to high temperatures, abrasions, and chemicals



## High-pressure Bladder Molding

High-pressure bladder molding inflates a flexible rubber bladder to create pressure inside a closed mold cavity. The cavity is lined with pre-cut material, placed into a mold, and filled with resin. The bladder is then inflated, which applies pressure to the composite material, creating a high-quality tank or parts. This method produces tanks that are lightweight, strong, and resistant to chemicals and abrasions. The process offers excellent strength and durability, making it a great choice for tanks needing to withstand high pressures and stress.

Advantages:

- Creates a strong, durable finish
- Withstands high pressure and stress
- For complex parts requiring precision



## Custom Tank Applications

Custom plastic tanks have a wide variety of applications. Use these versatile tanks for water containment, irrigation, chemical storage and many other applications. They are perfect for agriculture, construction, industry, processing, and more.

- Plating Tanks
- Acid Tanks
- Corrosion-Resistant Tanks
- Process Tanks
- Galvanizing Tanks
- Pickling Tanks
- Hydroponic Tanks
- Firetruck Tanks
- Cisterns (for potable water)
- Marine Water Tanks
- Blackwater Tanks
- Greywater Tanks
- Fresh Water Tanks
- Semi-Conductor Systems
- Filter Bodies
- Marine Holding Tanks
- RV Tanks
- Many other storage possibilities!

For more information about our [Custom Plastic Tanks](#), call to talk with one of our tank specialist. We can help you find the right custom tank for your specific size, shape, and unique requirements.



For more complete information on One Clarion products and solutions, visit us on the web at: [www.clarionmunicipal.com](http://www.clarionmunicipal.com) or call us at : (+1) 863-261-8388 | [info@oneclarion.com](mailto:info@oneclarion.com)

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