



***“Need A Tank?
Tank Man
Can Help!”***

**The Tri-Mer Tank Man
Offers More Choices
in High-Quality Tanks:**

- **Custom Fabrication**
 - **Roto Molded**
 - **1" Solid Polypropylene**
 - **Polyethylene**
 - **Co-Polymers**
 - **PVDF**
 - **PVC**
 - **CPVC**
 - **Halar**
 - **Stainless Steel**
 - **High Alloy Material**
- **Capacities to 12,000 gallons**
 - **Up to 100' lengths!**
 - **Round, elliptical, conical, cylindrical, cone-topped, truncated, and square**

 **Tri-Mer**[®]
CORPORATION
www.tri-mer.com

Tri-Mer Tanks Are Industry's #1 Choice for Heavy-Service Applications Including:

- Anodizing
- Caustic Cleaning & Pickling
- Chemical Storage Containment
- Cleanrooms
- Dairy Processing
- Day Tanks
- Etching
- FDA Applications
- Galvanizing
- Oil Distribution
- Organic Chemicals
- Pharma
- Phosphating
- Plating
- Water Management
- Wire & Strip Processing

Tri-Mer offers 10 tank material options. Of these, the most widely specified is polypropylene. *Why?* 100% polypropylene is a high-strength, monolithic material that will not corrode, become brittle, or de-laminate, even when exposed to aggressive chemicals, over long periods of time. It has very low moisture absorption, is compatible with both high and low temperatures, and has excellent thermal insulating properties. It is exceptionally stress and crack-resistant, and has excellent dielectric properties as well.

Polypropylene is resilient, and well-suited to manufacturing, finishing, and process environments where accidental impact can occur from parts handling devices, fork trucks and hoists and other material handling. If damage occurs, it is easily repaired on-site, *without* interrupting service.

"Polypro" is the lightest in weight of any thermoplastic. It is exceptionally resistant to strong acids – even at high temperatures – and is also highly resistant to alkalis and oxidizers. It can be welded and thermoformed, and has a high strength-to-weight ratio. Polypropylene is easy to fabricate, economical, and has a long track record of success for the manufacture of tanks, tank hoods, ducts, scrubbers, workstations and many accessories.

**"Tri-Mer Offers
MORE Choices –
in Tank Construction
& Tank Materials!"**



NEW! Roto Molded Tanks

Rotationally molded tanks use heat, rotation and special resins to produce an economical tank that is impact-resistant, with high tensile and flexural strength.

RM tanks from Tri-Mer are an excellent, low-cost alternative for many applications. Depending on the material, uses include chemical storage, water management, and petrochemical applications, also many high-temperature and high-purity applications, and specialty uses such as bleaching operations. Tri-Mer roto mold tanks are offered in all four major material options: polypropylene, polyethylene, PVDF and Halar.

Tri-Mer tanks are made using 100% virgin resins; FDA-approved, UV-stabilized, flame-retardant, and anti-static resins are available. Tri-Mer roto mold tanks are made with linear, rather than crosslinked,

resins, so they are seamless, and provide superior chemical resistance. In addition, only linear tanks can be hand or extrusion-welded to include fittings and other special features. Welded fittings provide greater security and reliability compared to fittings installed using mechanical fastening methods.

Roto-molded tanks from Tri-Mer offer a great degree of design freedom: inserts can be used to include fittings, threads and hardware, or to create a two-compartment tank.

We offer custom shapes and colors, as well as several types of dual-containment tanks. We also supply a complete range of heaters, sight gauges, instrumentation, supports, ventilation, fume hoods and other tank options.

Roto-molded tanks can be manufactured with or without insulation, for 1.9 specific gravity

conditions for aggressive chemicals and other heavy service applications. Wall thicknesses are highly uniform. Standard roto-molded tanks from Tri-Mer are manufactured in vertical, horizontal, open top, domed and rectangular shapes. Several tank styles are stackable.



Custom Fabricated Tanks

Tri-Mer uses latest-generation CAD and proprietary tools and processes for tank construction. These techniques and programmable systems, ensure:

- full strength at all bend sites.
- precise distribution of sidewall stresses.
- highest integrity at corners and seams.

Tri-Mer fabricated tanks have the advantage of double weld-strength, inside and out. Tanks can be designed with or without external supports.

Tri-Mer works with your production, product management and maintenance staffs in designing a tank, or tank farm, to meet your specific needs. Tanks can be supplied alone, or

as a package, with material handling, ducting, piping, pumps, agitation, and instrumentation. Capacities range to 10,000 gallons; lengths to 100'.

Tri-Mer offers a broad range of tank covers, fume hoods, scrubber exhaust systems and blowers, and high-efficiency scrubbers for complete, one-source responsibility and maximum cost-efficiency.





Fumes?

Tri-Mer's Fan/Separator® scrubs corrosive fumes from process tanks using 1/10th the water of conventional devices. All-mechanical system operates with 20% less brake horsepower. Total energy consumption is 15 to 20% less than comparable wet scrubbers. The system is positively pressured, working the reverse of conventional "negative air" scrubbers. Thus,

air is pushed, rather than pulled, through the system, using substantially less power.

The Fan/Separator is widely used for fumes from sulfuric acid, pickling, and metal plating tanks. Because the moisture eliminator is on the downstream side of the fan, scrubbed air can often be returned to the plant, minimizing utility costs.



Dust?

Whirl/Wet® is a single-stage wet dust collector for soluble and insoluble dusts above 1.0 microns. It can be ducted to serve multiple tanks or processes.

Whirl/Wet operates in the 99%+ efficiency range for a wide variety of applications and over a wide range of micron sizes. There are no internal moving parts such as pumps, and no filters or bags to change out.

Energy generated inside the unit will not allow the system to clog under any operating conditions, therefore, the agglomeration and sticky residues that plug baghouses are not a problem with the Whirl/Wet.

The system uses very little water and is compatible with materials recovery for many applications. Whirl/Wet can provide 24/7 operation, and is offered in manual and automatic models.



Submicron Particulate?

Cloud Chamber® Wet Scrubber eliminates particulate down to 0.1 microns, and is 99.99%+ efficient for particulate from 0.1 to 300+ microns. Simultaneously removes fumes and gases, including HCl, HF, HNO₃, H₂SO₄, SO₂, Cl₂ and NH₃.

CCS is an excellent, lower cost alternative to wet electrostatic precipitators, venturis and bag houses. Field array power requirement is less than 600 watts, regardless of cfm. Meets PM 2.5.



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