

Value Adds

Personalize your equipment to support your process with our value added accessories and services. We consider every aspect of your processing needs as we manufacture your equipment to deliver a solution that's ready for your production floor.



Material/Weld Finishes

We offer several material and weld finishes that satisfy your application requirements for sanitation, cleanability, or cosmetic appearance. Our finishes include:

- As-welded with no grinding or cleaning
- Gently cleaned to remove larger irregularities
- Glass bead blasted for a satin appearance
- Grit finish ranging from 155RA to 10RA
- Electropolished finish ranging from 25RA to 10RA



Lift Assist Solutions

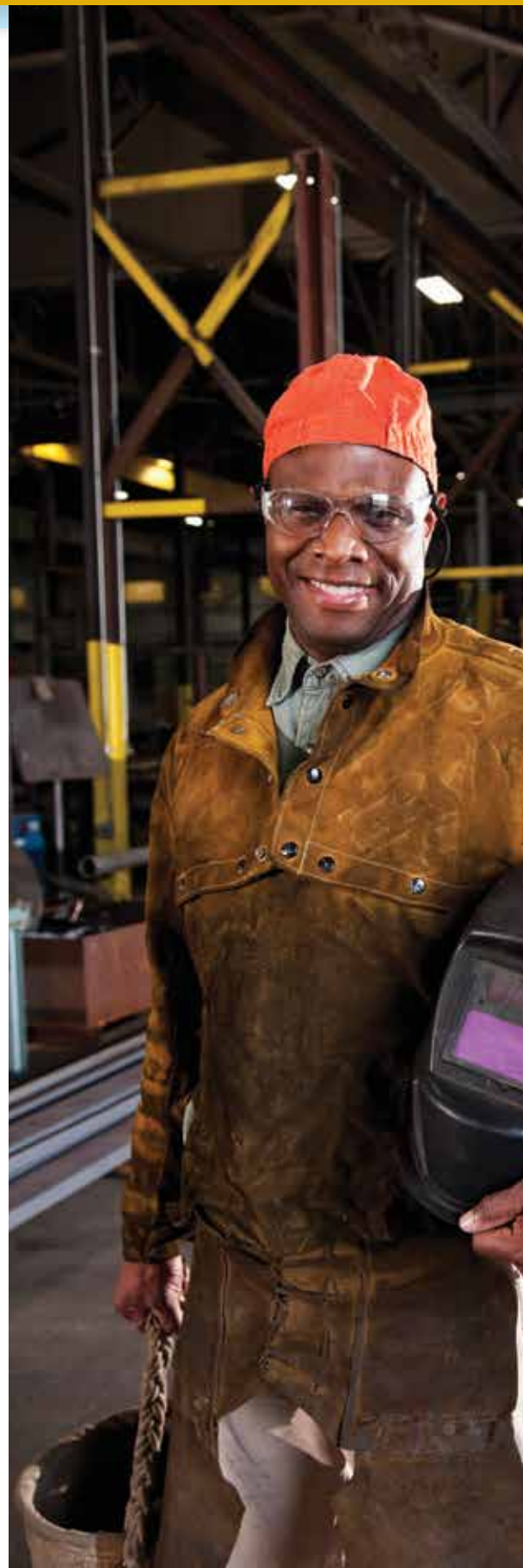
Our piston style assist solutions are dramatically superior to torsion spring style lifts. Conversion kits are available and we can field modify existing tanks from spring to piston without requiring an ASME hydro or R stamp.

- **PharmAssist® Lift Assists** are ideal for safe manway lifting. The compact sealed piston design features a stainless steel construction and FDA approved bushing and gaskets. Available in horizontal or vertical mounts for any size manway.
- **Standard Horizontal Mount Lift Assists** are adjustable for any size manway. The stainless steel design is compact and easy to clean.
- **Vertical Mount Open/Close Assists** are made for vessels with a flanged top head. The compact design eliminates interference and safety concerns.



Positive Material Identification (PMI)

We use the latest technology to validate raw materials to assure material traceability of components. Our PMI procedure is non-destructive includes calibrations to Certified Materials References to verify that the material and documentation is correct before and after production.





Electropolishing

Electropolishing removes metallic and non-metallic surface inclusions to improve surface cleanability and life expectancy of a vessel. By reducing the exposed product contact surface area, the vessel is more resistant to corrosion and creates a passive contact surface. We're able to electropolish vessels up to 13' in diameter and 25,000 in capacity.



Clean-in-Place Agitator

Our patented clean-in-place (CIP) agitator eliminates manual cleaning of seal shaft and seating surfaces and the need for daily take-apart after each tank or vessel cleaning. Cleaning solution is filtered and directed through the seal and across agitator blades for ease of cleaning. Reduce tank entry and maintenance costs and improve quality control. The CIP agitator is a more efficient use of equipment, promotes longer sanitary seal life, and reduces the chance of scratching interior surfaces and abrasive scoring of agitator's seating surfaces.



Heat Transfer Surfaces

Half-pipe and plug-welded (ammonia-freon or water-glycol) dimpled jacket heat transfer surfaces provide efficient and uniform heating or cooling through single or multi-zone controlled flows. All of our heat transfer surfaces are manufactured, tested, inspected, and code stamped to ASME standards.



Upward Spray Cleaning System (silos only)

Our upward spray cleaning system performs all clean-in-place (CIP) operations without requiring access to the top of the tank. Save money by eliminating the need for ladders, walkways, and cages. Every upward spray system includes internal primary and secondary lines, saving expenses used for insulation and heat tape. The system is USDA accepted for use in 3-A silo tanks and can fit tanks up to 60,000 gallons.



Additional Services

Site Fabrication and Field Service

We'll bring the highest skill levels and latest technology right to your site. Our team of experienced field specialists coordinate our project with your contractors so your existing plant operations can continue without any interruption.

