



APACHE
STAINLESS

Engineered Confidence. Delivered.



**EQUIPMENT &
SERVICE GUIDE**



APACHE STAINLESS

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Apache Stainless produces highly engineered, integrated stainless equipment for critical industry processors. Stainless and high alloy vessels, food processing equipment, and custom assemblies are manufactured in Beaver Dam, Wisconsin and are used for vital production of food, energy, chemical, digital infrastructure and health-related products all over the world.

Forged by ASME engineering and manufacturing protocols in 1975, Apache has championed thousands of industry codes and standards. Whether your project has sanitary requirements or a magnitude of standards and codes, your equipment will receive the same detailed approach, control, and quality in every process. Introducing our business groups to ensure customer success:

APACHE **VESSEL SOLUTIONS**

Apache engineers and manufactures custom tanks for fuel refineries, ethanol plants, chemical industries, biotechnology, and water treatment facilities. Smaller vessels serve industries from pharmaceutical to semiconductor. Solutions include application support, integrated systems, project management, testing coordination, and quality assurance.

Mepaco an Apache Stainless brand

Food Processing Equipment

Mepaco is a food processing equipment brand providing blending, cooking, dumping, and material handling solutions to some of the largest food processors. Mepaco works to solve production goals, focusing on automation, safety, least cost formulation, scale, sanitation performance, ease of maintenance and durability.

APACHE **SERVICE 360**

Service 360, a support arm for vessels and Mepaco, provides repair, technical support, installation, and training for all equipment. Services include ASME/code stamp repairs, surface finish restoration, audits, and full support for Mepaco systems, including installation, parts, preventative maintenance, and emergency repair.

APACHE **CONTRACT MFG**

Specializing in heavy-duty stainless fabrication, the Contract Manufacturing Group provides design, support, and fabrication of custom stainless parts and assemblies using Apache's extensive in-house processes.

APACHE **FINISHING SERVICES**

With the latest process technology and added capacity, Apache's Finishing Services include passivation, pickle passivation, and electropolishing with seven large tanks and cranes up to 6 tons for efficient handling.

APACHE **TRANSPORT**

Apache Transport provides general hauling as well as specialized, oversized and heavy load transport. With a fleet of tractor trailers operated by conscientious employee-owner drivers, we take pride in providing careful, expedited, and safe door-to-door delivery.



www.apachestainless.com



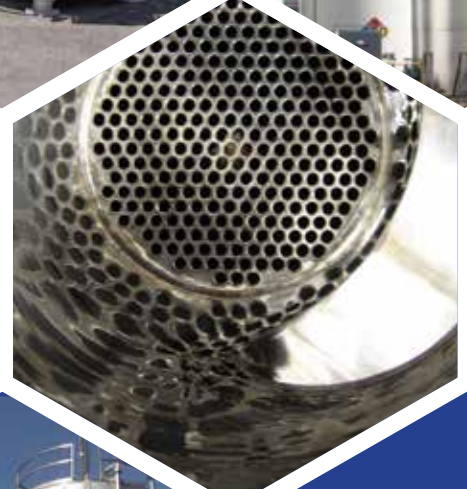
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APACHE VESSEL SOLUTIONS



LARGE VESSELS

Precision Engineering with Assured Compliance

Experience

With over five decades experience, Apache Stainless delivers engineered solutions that meet stringent regulatory standards and performance expectations.

Our tanks serve fuel refineries, ethanol plants, chemical industries, food and beverage processing facilities, biotechnology companies, pharmaceutical processors, health and beauty product manufacturing plants and water treatment facilities.

Portfolio

- ASME Vessels
- Agitated Vessels
- API - 650 Tanks
- Clad, Insulated Vessels
- Cook Tanks
- Custom Mix Tanks
- Distillation Tanks
- Dryers
- Evaporators
- Heat Exchangers
- Jacketed Vessels
- Pressure Vessels
- Process Tanks
- Heat Exchangers
- Storage Tanks

Quality & Control

Apache's facility is a fully equipped heavy industrial large vessel manufacturing factory with all processes in-house, including:

- ASME welding, fabricating
- CNC Center
- Expanded production space
- FAT (Factory Acceptance Testing)
- Fiber Optic Large Bed Laser
- Finishing Services
- Head Making
- Robotic welding
- Testing and Certifications
- TOP (Turn-Over-Packets)
- Transport
- Validation Lab

Project Engineering

Our project engineering process is designed to safeguard codes and standards, costs and delivery.

Key elements include:

- Technical collaborations and early engagement to validate requirements and optimize designs
- 3D modeling and validation to transform initial concepts into detailed models for operation and integration checks
- Rigorous process control oversight of fabrication, welding and finishing to maintain compliance integrity
- Dedicated quality assurance and full verification, testing and documentation by certified ASME experts

APACHE
VESSEL SOLUTIONS



SMALL VESSELS

Assured Outcomes for Demanding Applications

Compliance Expertise

A dedicated team of small vessel mechanical and project engineers focus on the unique requirements of small vessels under 500 gallons. These vessels must meet global standards and market demands while offering advanced customization for integrated systems and sophisticated applications in product development, research, and testing environments.

Apache's fifty year reputation as an ASME-certified manufacturer underpins every project, reinforcing trust and regulatory integrity for the sanitary design and safety standards of:

- 3A
- ASME U and UM
- BPE
- CRN
- PED
- CE

Applications

Small vessel experts specialize in designing and fabricating vessels that ensure safe, hygienic storage of liquids, powders and sensitive materials that serve industries such as pharmaceutical, chemical, biotechnology, food, and semiconductor manufacturing.

Apache delivers advanced solutions for complex processing needs, including:

Mixing Systems - agitated designs for uniform blending of ingredients or compounds

Specialized Processes -Vessels engineered for distillation, evaporation, and separation, supporting critical steps in product development and manufacturing

Thermal control - dimpled, half-pipe or conventional jackets for heating or cooling operations

Heat Reaction - Robust designs and quality assurance to handle controlled thermal reactions

Sanitation - CIP (Clean-in-Place) systems

Capabilities

Apache's small vessel team combines expertise, advanced engineering and integrated solutions to service industries where precision and reliability are non-negotiable, providing a host of capabilities to assure project and customer success, including:

- Quality assurance standards and code verification with in-house testing for validation protocols
- Complete full documentation packages for codes, standards and testing requirements
- In-house finishing with significant capacity
- Turnkey solutions beyond standalone vessels, Apache designs integrated skid systems for process-ready setups
- Dedicated and substantial manufacturing zone for small vessels with scalable capacity to support efficient turnaround

VESSEL SERVICE

Apache's field service technicians are highly trained and experienced in working with stainless steel and high alloy tanks across a wide range of industries. Whether you need on-site troubleshooting or planned service, our team provides responsive and knowledgeable support tailored to your equipment, timing and process needs.

Capabilities

- Field service and troubleshooting for all types of stainless and high alloy tanks
- ASME / National Board R-Stamp certified repairs and modifications, ensuring compliance with pressure vessel standards
- Surface finish repairs to restore sanitary and code regulated finishes
- Non-code repairs and modifications, such as piping, heat transfer jackets, and structural enhancements
- Seal and agitation system repairs and upgrades
- Accessory repairs, including manways, nozzles, and instrumentation ports
- Head and tank shell repairs, addressing wear, corrosion, or damage to critical components
- Leak detection and resolution, using proven methods to identify and fix issues quickly
- Audit and service contracts
- Preventative maintenance and training to extend equipment life and reduce downtime
- Documentation and code updates
- Parts management and expediting

Experienced Assurance

Apache's field service team works closely with engineering, manufacturing and customer teams to ensure every solution provides deep industry expertise. Our service experts come prepared with equipment and gear required by regulations and the service application. Whether you operate a single tank or a complex processing system, Apache is your partner in keeping operations running smoothly.



MEPACO SERVICE

The Mepaco services team is committed to maximizing the performance and longevity of your food processing systems. Our team includes skilled technicians, fabricators, and controls specialists who provide expert support from installation through modernization.

Capabilities

Installation

Mepaco guarantees a smooth, efficient equipment start-up through expert placement, precise alignment, and optimized drainage setup. Our dedicated Service 360 team works hand-in-hand with project managers, engineering firms, and trades-people to oversee every installation detail.

SAT (Site Acceptance Testing)

For processors requiring SAT validation, Mepaco provides on-site support to confirm operating conditions in the production environment. In-person training and customized training documents are provided based on project scope.

Commissioning

Commissioning includes flushing, pre-start checks, and initial operation to verify safe and efficient performance. Our controls team also supports system integration testing under real-world conditions.

Parts Support

Parts specialists work closely with field technicians to supply genuine Mepaco components, ensuring optimal performance.

Preventative Maintenance

We offer manuals, videos, phone support, and service visits. Technicians provide troubleshooting and checklists to extend equipment life and reduce downtime.

Wear Parts Automation

Automated scheduling for wear parts to avoid delays, ensuring uninterrupted production.

Emergency Repair

In the event of a breakdown, Mepaco technicians respond quickly to resolve issues from equipment to software.

Machine Audits

Performance, safety, and sanitation audits to identify improvement opportunities and get the most throughput out of the equipment.

Upgrades & Modernization

As production needs evolve, Mepaco works with engineering teams to develop upgrade solutions that enhance system performance and product quality.

Training Resources

Manuals, parts lists, and drawings are provided for customer convenience. Custom training materials are available upon request.



CONTRACT MANUFACTURING

Reliable, Repeatable Solutions -- Delivered

Our contract manufacturing capabilities are built on a foundation of flexibility, and a commitment to quality. Many of our fabricators are cross trained across multiple disciplines, allowing them to move seamlessly between fabrication processes. This not only enhances the skill level of our team but also enables agile production scheduling to meet demanding delivery timelines.

Results

- Rapid response and personalized customer service
- 97% on-time delivery, tracked and measured monthly
- Dedicated in-house project management and support

Specialization

- Heavy industrial components
- Large-format stainless steel fabrication
- High-compliance metal finishing
- Sanitary-grade equipment fabrication
- Precision weldments, grinding, and polishing
- Low-volume, full assemblies

Trusted Experience

Apache's continued investment in advanced laser technology, operational efficiency, and skilled trades development delivers measurable advantages for our contract manufacturing partners. These enhancements allow us to produce complex, high-precision components with greater speed and consistency, while maintaining flexibility to meet custom project requirements. Our commitment to innovation and customer-focused service ensures rapid response times, reliable delivery, and high-quality results across every stage of production.

Industries

- Aerospace
- Automotive
- Biopharma
- Commercial Building
- Data Centers
- Food & Beverage



FINISHING SERVICES

Experts in Stainless, Experts in Finishing

With extended capacity, our in-house stainless finishing operations are designed to enhance the performance, durability and cleanliness of stainless steel components. Our capabilities include passivation, pickle passivation and electropolishing, with experience and proven processes that assure high standards for corrosion resistance, sterilization and surface quality requirements.

Passivation & Pickling

Passivation is a chemical process that removes free iron and iron compounds from the surface of stainless steel using nitric or citric acid-based solutions.

Pickle Passivation is the immersion of stainless steel in a nitric-hydrofluoric acid bath, removing metallic contamination and heat-treating scale, resulting in a smoother surface that improves cleanability and sanitation.

Apache's pickle passivation tanks have capacities up to 7 feet deep and 20 feet wide.

Electropolishing

Electropolishing is an electro-chemical process that removes surface material from stainless steel, producing a mirror-like finish.

- Enhanced corrosion resistance
- Superior cleanability and sanitation performance
- Excellent release properties and reduced bacterial attachment

Apache's electropolishing tanks have capacities up to 6 feet deep and 14 1/2 feet wide.

Capacity and Expertise

With decades of experience in handling specialized stainless equipment, Apache delivers consistent, high-quality finishes that support a variety of sizes and weights, utilizing several cranes up to 6-ton capacity.



APACHE TRANSPORT, LLC

Engineered Delivery, Every Time

Apache Transport, LLC, the logistics arm of Apache Stainless, is dedicated to ensuring the safe, timely and precise delivery of stainless-steel equipment across the country. Whether transporting oversized vessels, high-alloy tanks, or food processing systems, Apache Transport operates with the same commitment to quality and reliability that defines every aspect of Apache's manufacturing.

Capabilities

- Direct door-to-door transport
- Specializing in oversize and super loads
- Apache provides necessary permits, escorts, route surveys, bucket trucks and all communications for your transport needs
- Apache Transportation offers full and partial (LTL) loads
- Annual permits, eliminating permit delays
- Plastic wrapping (aka boat wrapping) or conestoga trailer available
- Perfect DOT safety rating

Commitment

Apache's commitment to safety extends to its transport operations. Every driver is trained in handling high-value equipment, and our logistics protocols comply with industry standards and insurance requirements. Apache Transport maintains its own risk management and compliance framework, ensuring every shipment meets the highest standards of accountability.



QUALITY ASSURANCE

The Cornerstone of Apache Stainless

At Apache Stainless and its food processing brand Mepaco, quality and compliance are at the core of everything we do. Apache, as an ASME-certified manufacturer, follows rigorous standards in the design and fabrication of custom pressure vessels and sanitary tanks. Every project is supported by a dedicated Quality Assurance team that manages verification, testing, and documentation to ensure ASME and global compliance. In parallel, Mepaco delivers food processing equipment engineered for durability, cleanability, and food safety. From cookers and mixers to systems, each solution meets sanitary design standards. Together, Apache and Mepaco combine precision engineering with uncompromising quality practices, giving customers confidence in equipment performance, regulatory compliance, and long-term reliability.

Vessel Solutions

Testing

- Pneumatic
- Hydrostatic
- Liquid Penetrant
- Saline
- CIP Coverage
- Base Metal Thickness
- Ferroxyl
- Positive Material Identification
- Ferrite Levels
- Radiography
- UT Testing

Processes

- Material Trace
- Welder Trace
- Pickling
- Passivation
- Electropolishing

Mepaco

- Equipment and system designs prioritize operator safety
- Equipment designed to USDA, FSIS and FSMA food safety requirements
- Equipment designs and systems layouts for removal of foreign contaminants
- Best practices for CIP (clean-in-place) and COP (clean-out-of place) protocols to improve sanitation
- Highest finishes available for equipment food contact surfaces
- Controls programming to reduce food safety risk
- Process and equipment testing in Apache's Validation Lab

