



MTL
Mass Transfer, Ltd

WE BELIEVE

customer satisfaction is
paramount and the true
measure of success.

MTL is committed to being a customer-focused manufacturer of vessel internals by providing the highest quality products at competitive prices with unsurpassed service to the industry.

It is our belief that making each "customer a priority", while delivering a quality, cost effective, reliable and ethical solution to the needs of the market place will be the catalyst to our prosperity and sustainable growth.

Our philosophy in turn will help us to better serve our customers' needs in the future and continue to provide a safe, challenging and rewarding environment for our greatest asset, our employees...



123 S. 17th St. La Porte, TX 77571

281-991-8866

mtl-us.com

MTL offers exceptional 24/7 service on consignment and specialty tray and tower internal hardware to support your turnaround needs. Hardware lockers will be scheduled and on-site when you need them and stocked with the parts required to assist in making your turnaround or maintenance project a success.

Nuts & Bolts



Clamps



Misc. Tray Parts



Washers



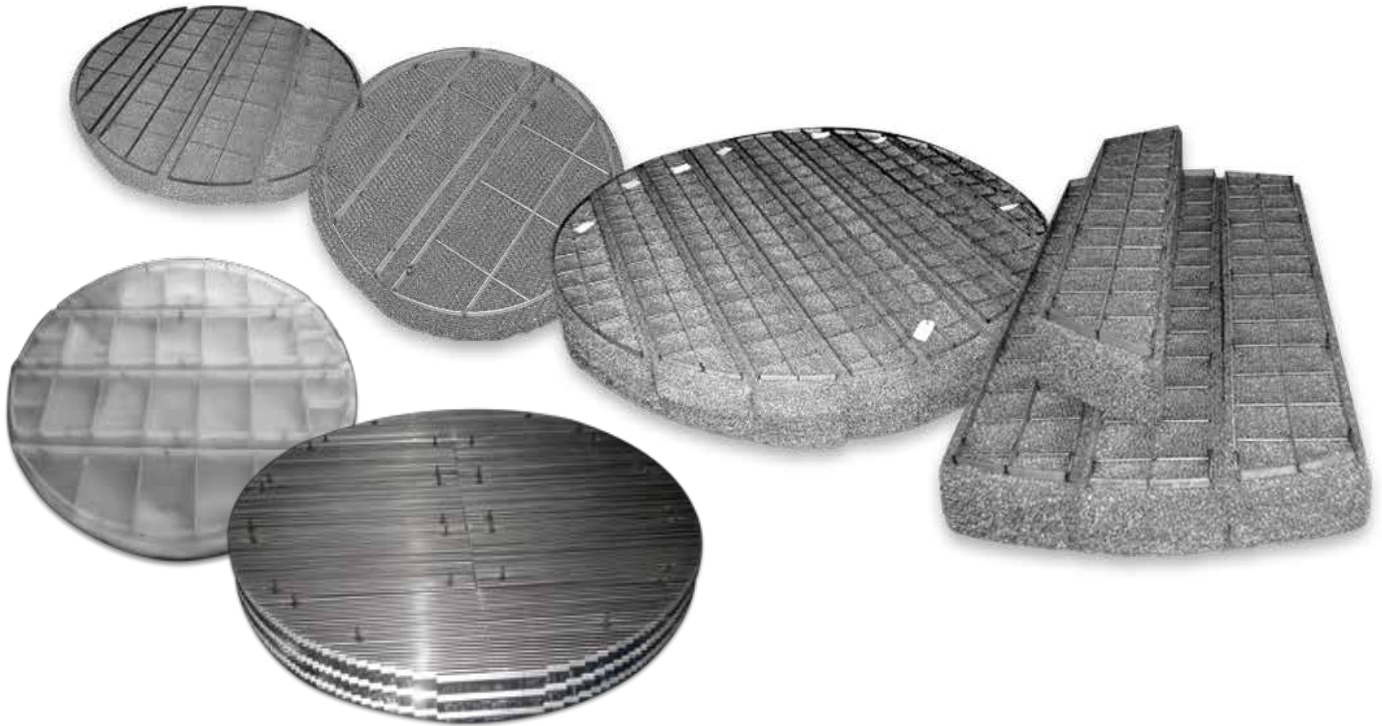
Manway Hardware



Valves



MTL specializes in the design and manufacturing of wire mesh and vane mist eliminators. Regardless of the OEM, we can manufacture most types of mist eliminators in a wide variety of metallurgy. From Carbon Steel to Hastelloy B-3, as well as most polymers and co-knit units without sacrificing reliability or quality. Whether your needs call for a mist eliminator, coalescer or vane unit, MTL will be there for all your needs.



Common Types of Materials

- » 304ss
- » 316ss
- » Monel
- » Alloy 20
- » Teflon
- » Titanium
- » Nickel
- » Copper
- » Poly-Pro

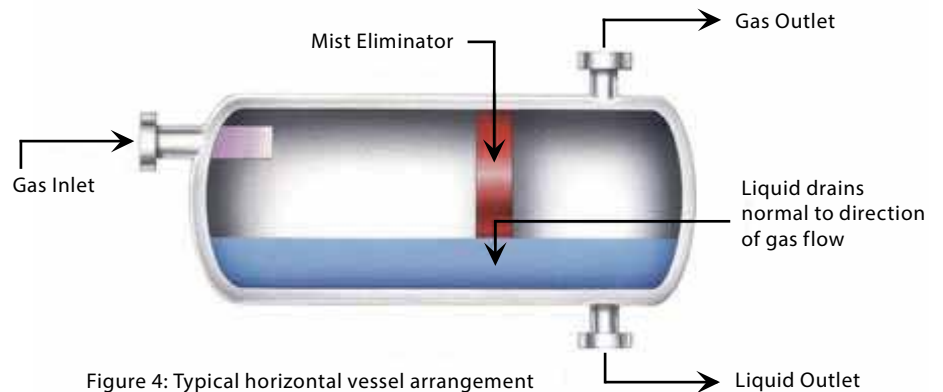
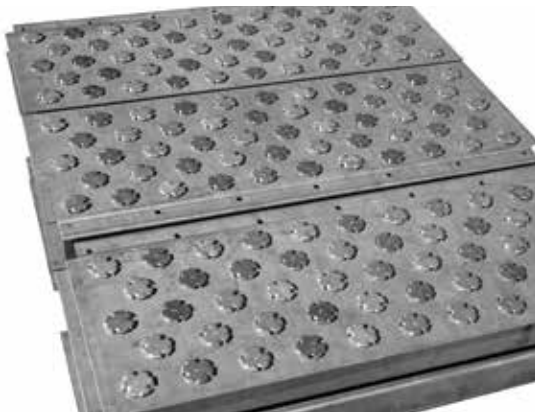


Figure 4: Typical horizontal vessel arrangement

MTL manufactures all types of replacement trays and tray parts. Including sieve, round valve, rectangular valve and bubble cap trays just to name a few. Regardless of the OEM we can manufacturer most of these trays and tray parts in any type of material from Carbon Steel to Hastelloy B-3 without sacrificing reliability or quality.

MTL offers fast and reliable emergency tray replacement options from our centrally-located Gulf Coast facility. So remember even if its one part you need such as manway panel or downcommer piece, you can be certain that MTL will provide you with the service and quality you would expect and demand.

Round Valve Tray



Rectangular Valve



Sieve Tray



Bubble Cap Tray



MTL offers a vast array of reactor internal replacement equipment options for your turnaround and maintenance needs.

- » Distributor Trays
- » Mix Trays
- » Catalyst Supports and Beds
- » Inlet Distributor
- » Outlet Collectors
- » Scallops
- » Profile/Wedge / V" wire industrial screen
- » Woven wire cloth (hold down screen)



MTL supplies a full line of random packing and associated products such as supports, hold-downs and distributors. All of these products can be supplied in a wide variety of materials such as stainless steel, alloys, thermoplastics, ceramics just to name a few. These products can replace most OEM products without compromising efficiency or capacity. So whether your project calls for a gas injection support plate, trough-type distributor or simple random packing MTL will be there to supply all your replacement needs.

Stainless Steel Packing



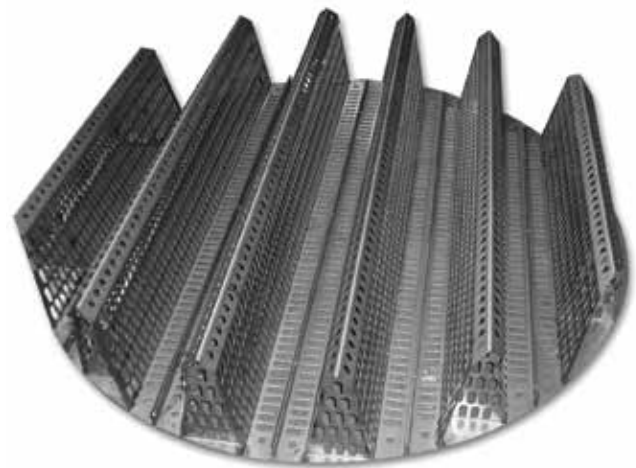
Plastic Packing



Packing Support



Gas Injection Plate

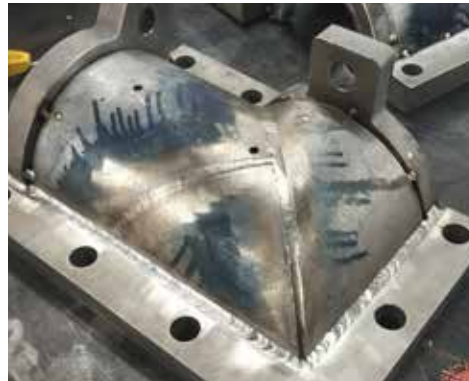


MTL offers a wide variety of fabrication services for clients in the Oil & Gas, Petrochemical, and Food Service Industry. Utilizing our CNC plasma table, 40ton press break and state of the art CNC punch equipment. We are a turn key provider for projects both large and small.

Power/Process Piping

MTL is proud to offer the industry's highest quality power/process piping. MTL has the weld procedures, quality control measures, and talent in place to add value to your operation. Our goal is to exceed our customers quality and turnaround time expectations. While providing the highest quality of service on a wide variety of materials including:

- » Carbon Steel
- » Chrome
- » Chrome-Moly
- » Stainless
- » Inconel
- » Monel
- » Hastalloy
- » Duplex
- » Super Duplex



With decades of refinery and petrochemical processing experience, MTL personnel can do more than just deliver nuts and bolts and replacement parts for your Tower and Reactor Internals. We will help you determine the correct replacement parts or help you design the right part for your specific need.

Engineering Services

- » *Mechanical Design*
- » *Mechanical Calculations*
- » *3 Dimensional Design and Fitment*
- » *Hydraulic Design*

Design Services

- » *Drawing Review*
- » *Material Take-Offs*
- » *Equipment Type and Dimensional Verification*
- » *On-site Support*

Software Packages

- » *AutoCAD*
- » *Solid Works*
- » *Inventor 3-D*



Corporate Headquarters

123 S. 17th St.

La Porte, TX 77571

Phone: 281-991-8866

Fax: 281-867-1548

Manufacturing Facilities

Houston, TX

La Porte, TX

mtl-us.com

