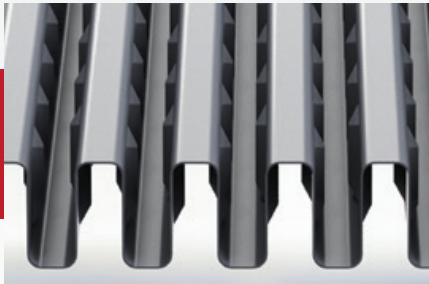
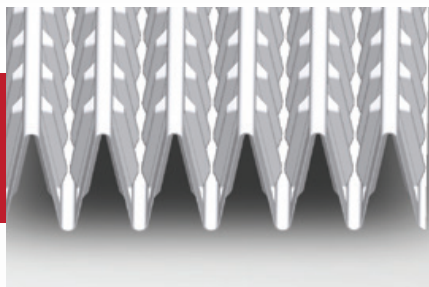


Custom Made CAB Furnace Aluminum Cores and Completes with Extruded Tubes and Our Exclusive Thermal Square Bump Fin[®] and Thermal V-Bump Fin



(.310 fin height)

Thermal Square Bump Fin[®]
TSM Severe Duty



(.310 fin height)

Thermal V-Bump Fin
TSM Heavy Duty Value Priced

TSM INTRODUCES

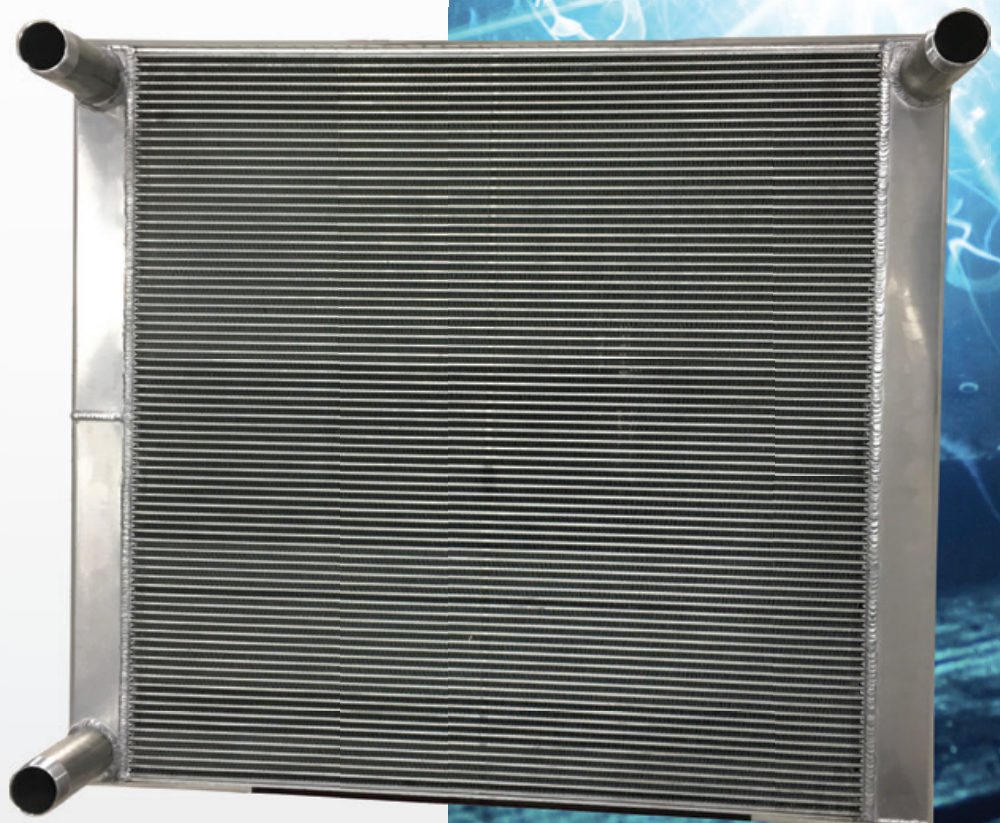
Virtually Any Application

- Off-shore drilling
- Agricultural equipment
- Compressors
- Generators
- Construction equipment
- High Performance cars and light trucks
- Recreational vehicles
- Logging equipment
- Transit buses
- Fracking/Oil Exploration
- Mining

Aluminum Radiators & Charge Air Coolers
Aluminum High Pressure Coolers
Custom Built Cores

Custom Designed Aluminum Cooling Packages

- Can include radiators, charge air coolers, oil coolers, fuel coolers for any cooling package
- Repowers and application redesigns



Manufacturing Capabilities

Header Types

- Flat Headers 0.160"/ 0.125"/ 0.075" thick
- Bolt on Headers 0.160"/ 0.125"/ 0.075" thick
- Flange Header
- T-Bar Headers

Thermal Square Bump Fin®

- 0.006" Thick, Non Louver Fin with 0.310" Fin Height
- 6, 7.5, 8, 9, 10, 11, 12 FPI
- 7.5 Standard FPI
- 1.5", 2.25", 2.625", 3.00", 3.50", 4.00", 4.50", 5.50", 6.25 Fin Width
- Built with extruded tubes, Severe Duty <500 PSI

Thermal V-Bump Fin

- 0.004" Thick, Non Louver Fin with 0.310" Fin Height
- 8, 9, 10 FPI
- 1.25", 2.25", 3.00" Fin Width
- Built with extruded tubes, Medium - Heavy Duty <350 PSI
- Charge Air Coolers built in flanged header construction only

Louvered V-Fin

- 0.004" Thick, Louvered Fin with 0.310" Fin Height
- 11, 12, 13 FPI
- 3.00" Fin Width (Only)
- Built with welded tubes for applications <30 PSI

Side Pieces/Side Channels

- Flat sides are standard. Available thicknesses: 0.125", 0.190", 0.250"
- Please inquire for fabricated side pieces with Flanges, holes, etc.

Extruded Aluminum high pressure tanks

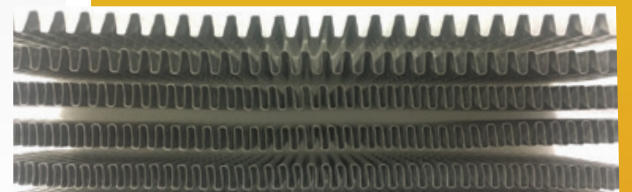
- W x H up to 96" in length
- 2.25 X 2.00
- 3.00 X 2.00
- 3.50 X 2.00
- 3.50 X 2.50
- 4.50 X 2.00
- 4.50 X 2.50
- 6.25 X 2.00
- 6.25 X 3.00

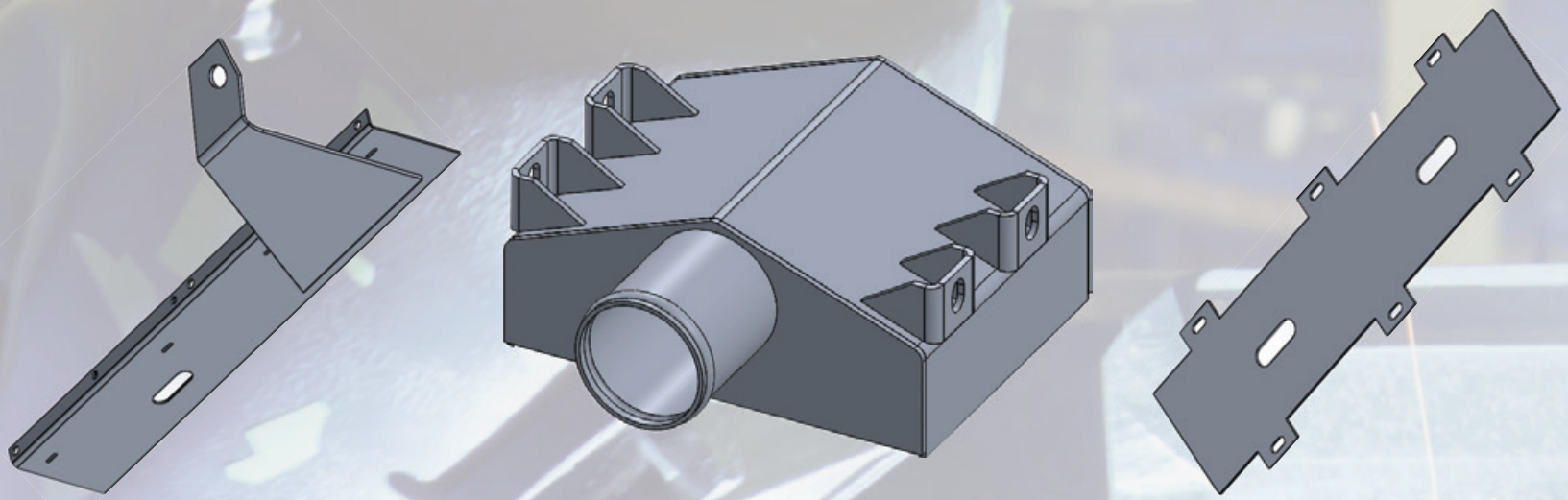
Air to Air Products (CAC, Intercoolers, Aftercoolers)

- Air Multiport Extruded Tubes 0.273" Thick with heavy nose for severe duty, 0.016" for medium- heavy duty
- 2.25", 2.625", 3.00", 3.50", 4.00", 4.50", 5.50", 6.25" single tube Width
- 65" X 40" single unit maximum dimension, (we can make any size core with multiple cores welded together)
- We always recommend to use T Bar or 0.160" for 250 PSI + pressure applications

Liquid to Air Products

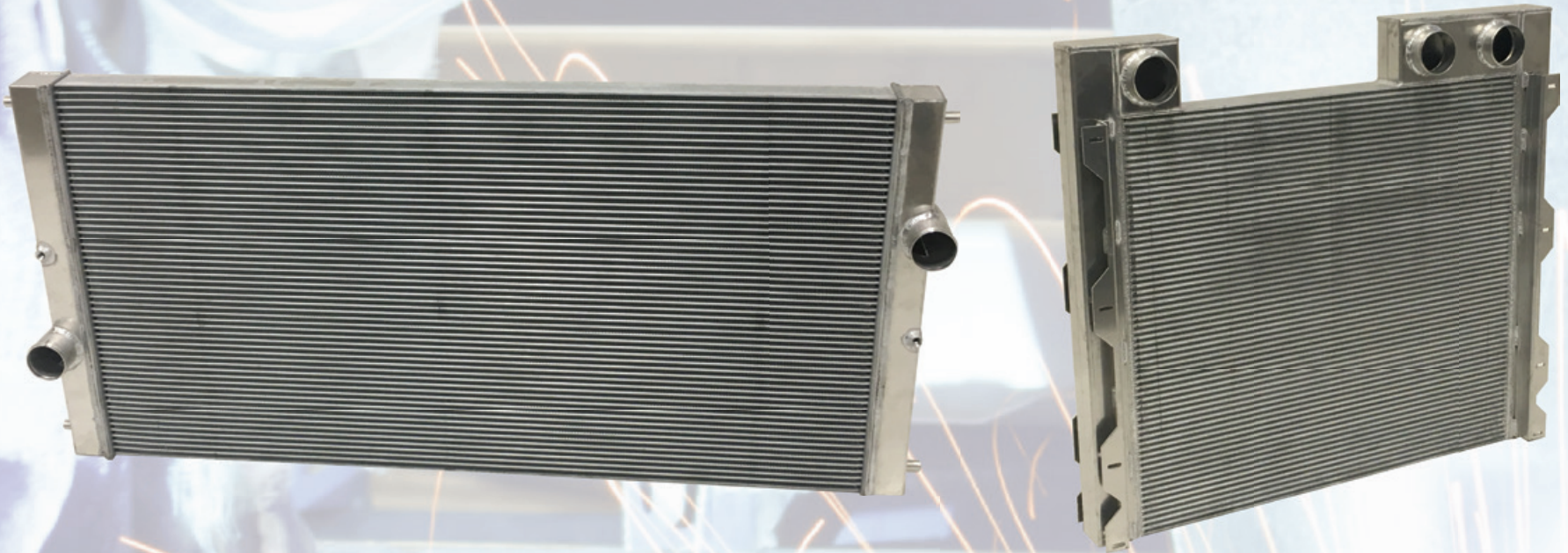
- Oil/Coolant Multiport Extruded Tubes 0.133" Thick with heavy nose for severe duty, 0.016" for medium- heavy duty
- 1.5", 2.25", 2.625", 3.00", 3.50", 4.00", 4.50", 5.50", 6.25" single tube Width (Call for special construction)
- 65" X 40" single unit maximum dimension, (we can make any size core with multiple cores welded together)
- We always recommend to use T Bar or 0.160" for 250 PSI + pressure applications





Custom Aluminum tanks, Fan Shrouds, Radiator Frames, Brackets, etc.

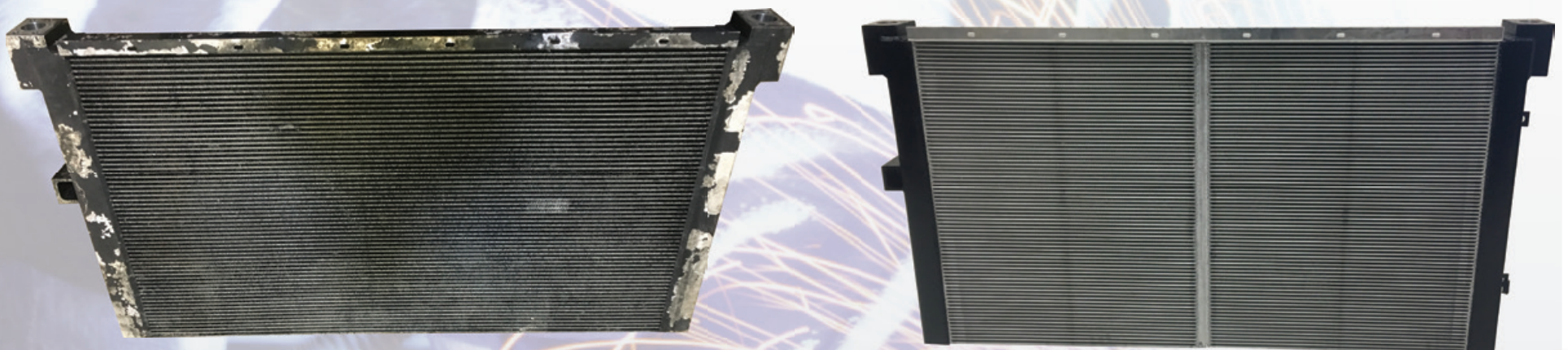
Medium-High Pressure or low Pressure.
Wall thicknesses 0.090", 0.125", 0.190", 0.250"



Custom Engineered Completes

Medium-High Pressure or low Pressure.
Wall thicknesses 0.090", 0.125", 0.190", 0.250"

Complete units, made for your individual needs and applications. Designed, engineered and fabricated to your exact specific environment, work load, or durability demands.



Before

Re Core Services

Oil Cooler
Radiators
Charge Air Coolers/Intercoolers/Aftercoolers
Combination units
Fuel Coolers

After

Services Now Available In Our Dallas Aluminum Plant



Features and Benefits of TSM Built Aluminum Cores and Completes

- OE Style Construction, Improved OE Strength
- Industrial Strength Rigid Fin
- Enhanced OE design for better airflow
- Superior surface contact for better heat rejection
- Expert design and engineering assistance
- TSM Quality Standard
- Made in the USA
- Aluminum and Copper/Brass combination units are a TSM specialty



www.thermalsolutionsmfg.com

Our Warranty

All of our custom built cores, re-cores and custom fabrication carry the same warranty as most new units, a full 1-year, unlimited usage from date of install. The warranty covers the core, tanks and workmanship.

Call Us At **1-800-776-9605**

Or Email alum-info@tsmus.com