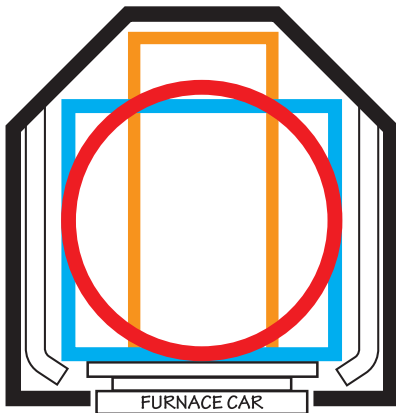




## New Expanded Heat Treatment Furnace.

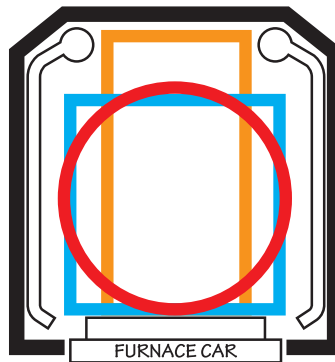
Arrow Tank and Engineering has expanded their heat treatment furnace capacity. This equipment is specifically designed to relieve stress in pressure vessels and weldments.



### Furnace 1

Maximum 75' long

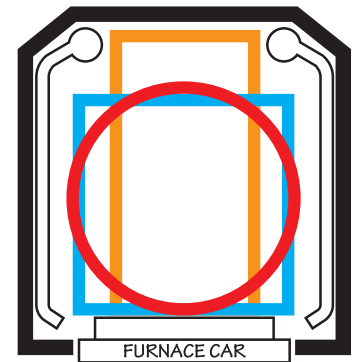
Up to 200 tons of load at temp of 1700° F  
Maximum Temperature from 300° to 1700° F  
State-of-the-art PLC controls  
Independent, 4-zone temperature control  
Temperature uniformity of +/- 25° F  
Up to 58 thermocouples (expandable)  
32 million BTUH heating capacity



### Furnace 2

Maximum 31' long

Up to 80 tons of load at temp of 1350° F  
Maximum Temperature from 300° to 1350° F  
State-of-the-art PLC controls  
Independent, 2-zone temperature control  
Temperature uniformity of +/- 25° F  
Up to 28 thermocouples (expandable)  
16 million BTUH heating capacity



### Furnace 3

Combination of 1 & 2

Maximum 109'-6" long

Up to 280 tons of load at temp of 1350° F  
Maximum Temperature from 300° to 1350° F  
State-of-the-art PLC controls  
Independent, 6-zone temperature control  
Temperature uniformity of +/- 25° F  
Up to 86 thermocouples (expandable)  
48 million BTUH heating capacity

All vessels 14' in diameter or larger are subject to review to determine viability.

	Furnace 1	Furnace 2	Furnace 3
Round ○	15' diameter	14' diameter	14' diameter
Square □	14'-8"h X 15'w	13'-6"h X 13'-6"w	13'-6"h X 13'-6"w
Rectangle ▭	17'h X 9'-5"w	15'h X 9'w	15'h X 9'w

Odd sizes and shapes including longer units can be handled using localized stress relieving.  
Call Arrow Tank with your specifications or any questions.

**For more information, contact Arrow Tank and Engineering, Inc.**

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# Arrow

TANK AND ENGINEERING CO.



## Additional services provided with heat treatment include the following:

- The furnace process control system utilizes a proprietary PC, PLC control system for real time process control and data recording.
- Temperature charts and graphs are Microsoft Excel based and are available electronically or in hard copy.

## Code Qualifications:

We are qualified to fabricate to the following codes:

ASME · SELO Chinese Certification - PED/CE European  
AWS · AISC · API · AISI · DOT · NBBI - MTI · UL · AWWA



Arrow Tank is a member of  
the Metal Treating Institute.



## Furnace Facts:

- Direct fired natural gas furnace using Type K thermocouples for measuring product temperature.
- Indoor crane service provided for loading and unloading for up to 240 tons.
- Product loads are positioned on unique supports which allow for expansion during treatment.



## Other services provided by Arrow Tank:

- Custom fabrication including explosion bonded alloys and overlay work.
- Propane trucks and tanks.
- Custom blasting and painting of large parts.
- Fire suppression systems.
- Arrow Tech High Purity Welding.
- Non-destructive testing (NDE) procedures include level III radiography, magnetic particle and dye penetrant and ultrasonic testing.
- Shipping worldwide via rail, truck or over water.

Visit us on the web to learn more  
about what we can do for you.

[www.arrowtank.com](http://www.arrowtank.com)

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