ITS Standard TruTemp™ Car Bottom Furnaces are an excellent solution to process your large and heavy materials, from welded fabrications and forgings to spun products and plates.

Processes include heat treating, homogenizing, annealing, preheating and stress relieving. Industries served are aerospace, oil drilling, steel mills, automotive, military and many more. Materials processed include aluminum, steel, cast iron, titanium and others.

The ITS Standard TruTemp™ Car Bottom Furnace has many established design features, such as vertical lift doors, rail mounted load cars, multiple upper and lower chamber gas fired burner arrangements and multi-layered insulation techniques with offset seams.

The ITS Car Bottom Furnace can be customized for each individual application.

Standard Features:
- Load car with onboard motor drive
- Motor driven vertical lift door
- Multiple upper and lower burner configuration for even temperature uniformity
- Gas flues arranged for optimal performance
- NEMA 12 Control Panel (machine-mounted)
- Multi-function electronic timer with end-of-cycle indicator light (on control panel)
- Single button E-stop on control panel
- Burner safety equipment
- Furnace chamber and hi-limit temperature controllers
- Standard temperature uniformities at ±15°F

Additional Options:
- PLC/HMI for process automation
- Data acquisition
- Electric Heat
- Recirculation Fans
- Automatic Shutdown Circuit
- UL/CE Listed Electrical Panel – panel inspected, certified, serialized (CE provides declaration of conformity)
- Manual load car
- Pneumatic load car seals
- Spare Parts
- Field installation, installation supervision, commissioning
- Door on load car
- Temperatures to 2800°F
- Increased Burner Capacity

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# TruTemp™ Car Bottom Furnace

TruTemp™ Car Bottom Furnace Features include:
- Meets temperature uniformity requirements of API
- Multi-layered insulation packages
- Optional high pressure recirculation fans with high efficiency motors to reduce energy consumption
- High-efficiency (gas or electric) heat sources to reduce energy costs
- Robust structural furnace framework
- Design considerations for easy access to process areas and oven components
- Private labeled and purchased components meet UL, UR, and CE standards
- NEMA style control panels
- Factory tested to ensure on time delivery and field start up
- 24/7 factory direct technical service and spare parts group

## STANDARD CAR BOTTOM SIZES and CAPACITIES

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Chamber Dims</th>
<th>Overall Dims</th>
<th>Capacities</th>
<th>Qty of Burners</th>
<th>Design Temp</th>
<th>Max Temp</th>
<th>Voltage Range</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>INCHES</td>
<td>METRIC mm</td>
<td>INCHES</td>
<td>METRIC mm</td>
<td>LOAD LBS (kgs)</td>
<td>Burner Input BTU/Hr</td>
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