

# Clam Shell Tip Up Furnace



## Standard Features:

- Minimizes floor space usage
- Gas (direct and indirect) and electric versions
- Heavy plate construction
- Designed for overhead or front loading
- Accepts heavy loads
- Energy efficient ceramic fiber insulation
- NEMA 12 Control Panel (machine-mounted)
- Hydraulic lift system
- Single button E-stop on control panel
- Burner safety equipment
- Furnace chamber and hi-limit microprocessor based temperature controllers
- Electric version SCR controlled
- Low mass pier system with optional hearth
- Excellent temperature uniformity

## Additional Options:

- PLC/HMI for process automation
- Data acquisition
- Inert gas construction
- Recirculation fans
- Automatic shutdown circuit
- UL/CE listed electrical panel
- Special temperature uniformities
- Hearth roller rails
- Load tables
- Spare parts
- Field installation, installation supervision and commissioning
- Temperatures to 3300°F



ITS Clam Shell Tip-Up Furnaces are an excellent choice when floor space is at a premium. In addition, a full opening furnace allows for overhead crane loading and unloading.

Clam Shell furnaces are utilized for heat treating, stress relieving, FNC, preheating, tempering, annealing, calcining and other high temperature thermal processes.

Materials processed include aluminum, steel, cast iron, high nickel alloys, titanium and others.

The ITS Clam Shell Tip-Up Furnace has many established design features such as heavy duty hydraulic lift systems, energy efficient insulation, fully proportional gas and electric heat, lightweight heavy duty piers and state-of-the art control packages.

Optional inert gas and high volume recirculation systems makes these versatile furnaces a great option.

Contact ITS today for all your clam shell furnace and heat treat equipment needs.