



# Direct Fired Furnaces

The Teaford Company has developed direct fired biomass combustion systems for dryers, lumber drykilns, steam boilers and thermal oil heaters. The conservative design of the gasification chamber provides low emissions with high efficiency. Low operating horsepower and excellent fuel combustion efficiency, make these systems very user friendly. State of the art control system minimizes operator requirements.

## Direct Fired Furnaces Up To 275 MMBtu/hr Output

- Reciprocating, inclined grates.
- Underfeed stoker fired grates.
- Stationary sloped grates.
- Dry fuel suspension burners
- Gasification process provides very low NOX emissions.
- High furnace retention time minimizes organic and particulate emissions.
- Process re-circulated gases improve efficiency and reduces abatement costs.
- Thermal oil heaters can be included up to 160 MMBTU/hr.
- Steam boilers can be added to provide process heat or steam for steam turbines and generators to produce electricity.
- Turnkey systems can be provided including auxiliary equipment such as fuel storage and handling.



**Atlanta, GA, U.S.A.**

Phone: 770-475-5250  
Email: sales@teafordco.com  
Website: www.teafordco.com

**Vancouver, B.C., Canada**

Phone: 604-530-5566  
Email: sales@teafordcanada.ca  
Website: www.teafordcanada.ca

**Portland, OR, U.S.A.**

Phone: 503-554-9824  
Email: sales@teafordco.com  
Website: www.teafordco.com

**TOLL FREE  
1-877-864-6380**



# Direct Fired Furnaces **TEAFORD**

Auxiliary equipment can be provided with your Teaford Direct Fired Furnace system. These can be specifically designed to meet your plants special requirements. The options can include:

- Fuel storage and fuel conveying
- Combustion controls
- Auxiliary gas and oil fired burners
- Thermal oil heaters
- Thermal oil circulation equipment
- Steam boilers with feedwater systems
- Piping systems
- Turbine generators
- Wet or Dry Electrostatic Precipitators
- SNCR NOX controls
- Ash conveying and storage
- Installation services through Teaford Construction, LLC



## **Atlanta, GA, U.S.A.**

Phone: **770-475-5250**  
Email: [sales@teafordco.com](mailto:sales@teafordco.com)  
Website: [www.teafordco.com](http://www.teafordco.com)

## **Vancouver, B.C., Canada**

Phone: **604-530-5566**  
Email: [sales@teafordcanada.ca](mailto:sales@teafordcanada.ca)  
Website: [www.teafordcanada.ca](http://www.teafordcanada.ca)

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