



## CONTINUOUS REHEAT STRIP/PLATE

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**FurnXpert Continuous Reheat STRIP/PLATE** offers the ability to design and simulate Continuous STRIP/PLATE furnaces primarily used in steel industry.

### Key Features:

**Furnace Configurator:** The furnace configurator module provides users the ability to create a virtual furnace to run their parts.

- ✓ Furnace Insulation – Users can configure insulation from a list of refractory
- ✓ Heating Type - The type of heating can be either gas or oil fired
- ✓ Burner Type – Burner type can be either conventional or regenerative

**Profile Module:** The users can create their own profile. The profile data includes

- ✓ Initial Furnace Temperature
- ✓ Production Rate
- ✓ Distance/Temperature values

**Process Parameters:** The users have the ability to vary process parameters such as distance/temperature values and production rate.

**Part Module:** A selection of basic part shapes is provided with the software. A new part can be configured by entering dimensions and material properties (provided with the software). The parts include:

- ✓ Billets
- ✓ Ingots
- ✓ Slabs

**Part Placement:** The users can use different configuration (**along the furnace**) to place charges/parts in the furnace.

**Property Data:** Provides the user with a tool to create new materials, refractory and fuel.

**Heat Audit/Power Calculations:** Calculates heat to part, refractory loss, heat to gases, and heat and energy/power consumed in different zones.

**Results:** Results include Angle Temperature profile of the furnace and parts, zone wise thermal loading, zone wise fuel and air inputs for combustion system, Sankey Diagram.

**Reports:** Results from each calculation can be displayed in report format, can be directly printed, or can be converted to a PDF file.

**Price SINGLE USER license\*:** STRIP **USD 690** , PLATE **USD 690**

### FurnXpert – Annual technical support and software maintenance

The technical support package entitles the user to help-desk support via telephone or e-mail for a period of 1 year from the date of purchase. During this period the user will also be provided with free software upgrades, as they become available.

**Discounts: 5 – 10 license – 10% discount, more than 10 licenses – 15% discount**

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\* Sold individually