furnacecontrol

Insight **furnace**control is a complete level-2 control system for your furnace.

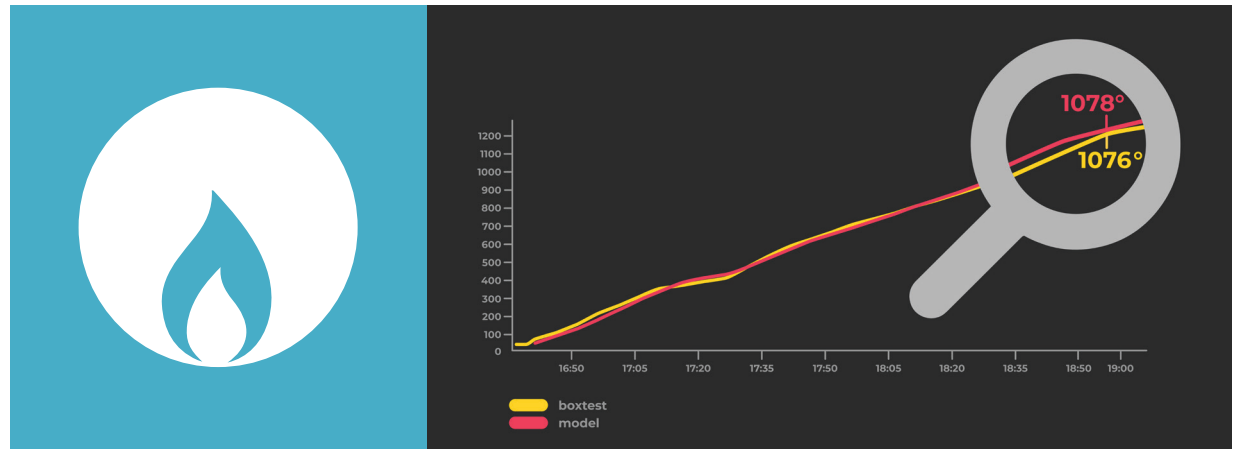**Furnace simulation in real-time**

Precise calculation of material temperatures

Optimal set points for temperature control

From reheating to tempering - Insight Furnace Control provides all components necessary to control your process in a precise, efficient and reliable manner.
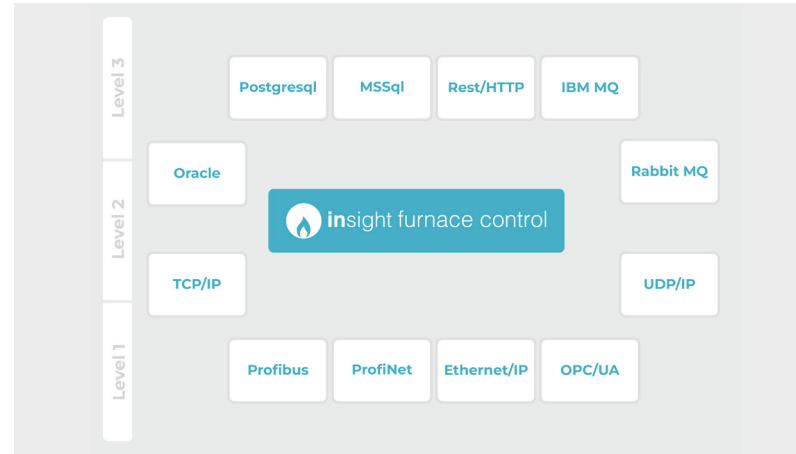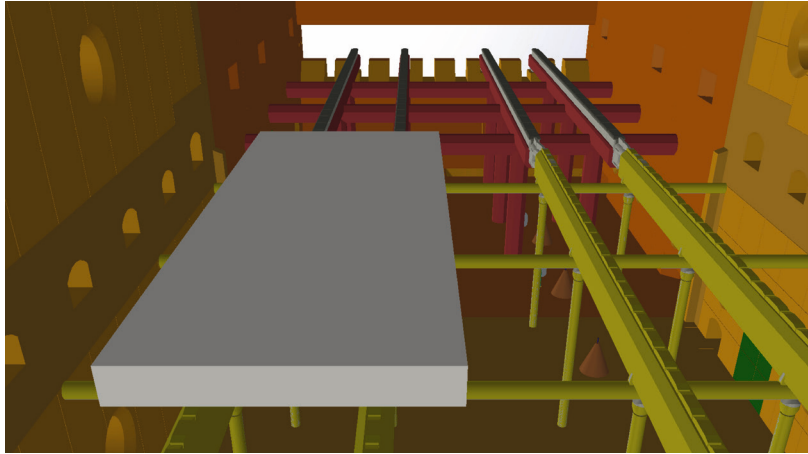
Using fine-grained real-time material temperatures, Insight Furnace Control offers the precision required to achieve strict temperature goals in the context of tempering, resulting in minimal deviations from the target temperature.

To optimize your throughput, adaptive control values are leveraged, that automatically adjust to the optimal process speed required in your application.

1078°
1076°

boxtest
model

Adaptive control values will enable you to automatically derive optimal process speeds for your application and, thus, optimize your throughput.

The flexible interface that comes with Insight provides an easy integration into existing Level-1 and Level-2 systems. The area of application for Insight Furnace Control includes reheating, normalizing, as well as tempering in high-and low temperature range.

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Tempering

- material-dependent calculation of:
  - temperature set points
  - production speed
- Smart control of individual heating elements
- LTT, HTT and Normalizing

Reheating

- material-dependent calculation of temperature set points
- energy-efficient control during delays

Flexible

- Seamless integration into existing Level-1 and Level-2 systems

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