



SCORPION[®] Case Study: Making the Same Product on Multiple Lines

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Making the Same Product on Multiple Lines



Product: Soda Cracker

Plant: Three plants in Central America

Problem: One company has four production lines baking soda crackers in three different plants across Central America. A new line was recently installed but the best product comes from a line that is over 20 years old.

How can the new line produce crackers that will match the quality of the older production line?

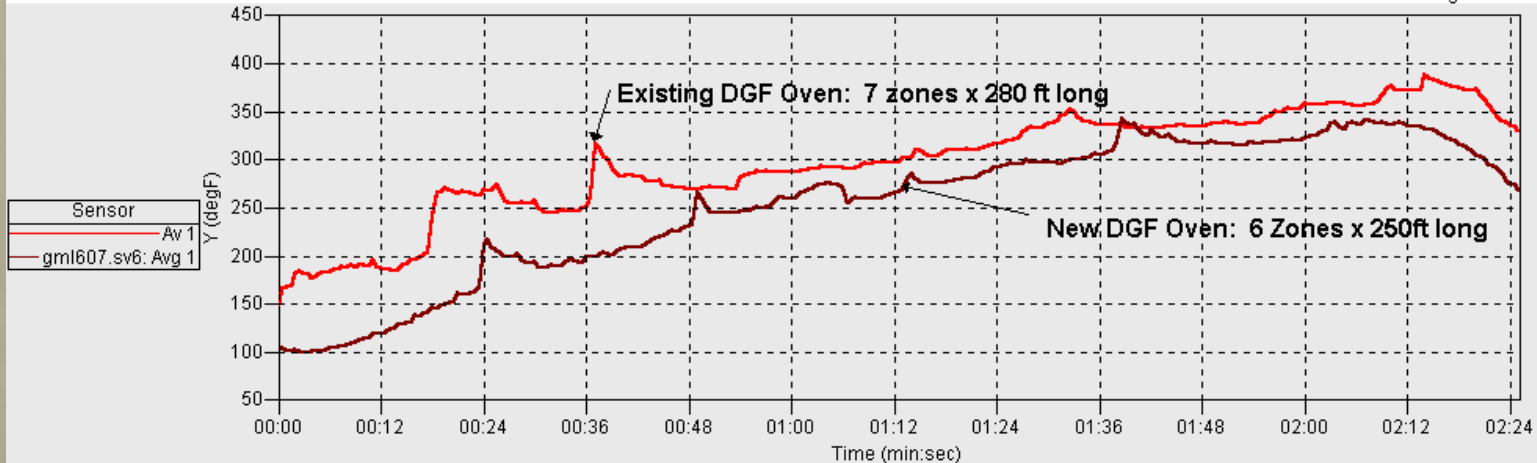


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Date: December 15, 2000
Time: 14:46
User: RTS

Comparison of Oven Air Temperatures

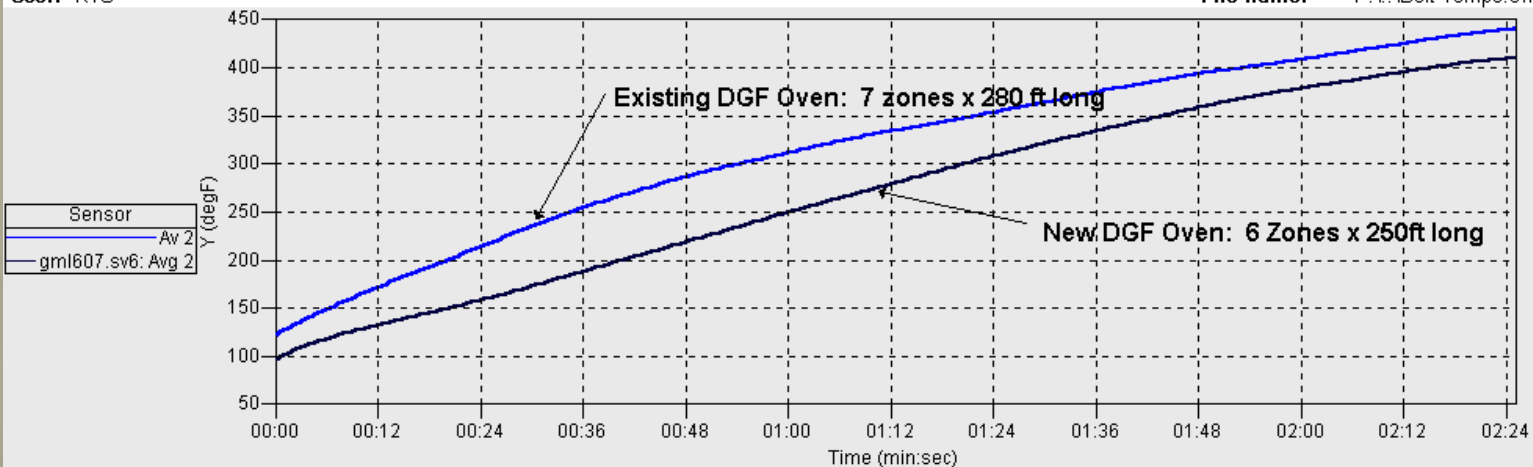
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Product name:
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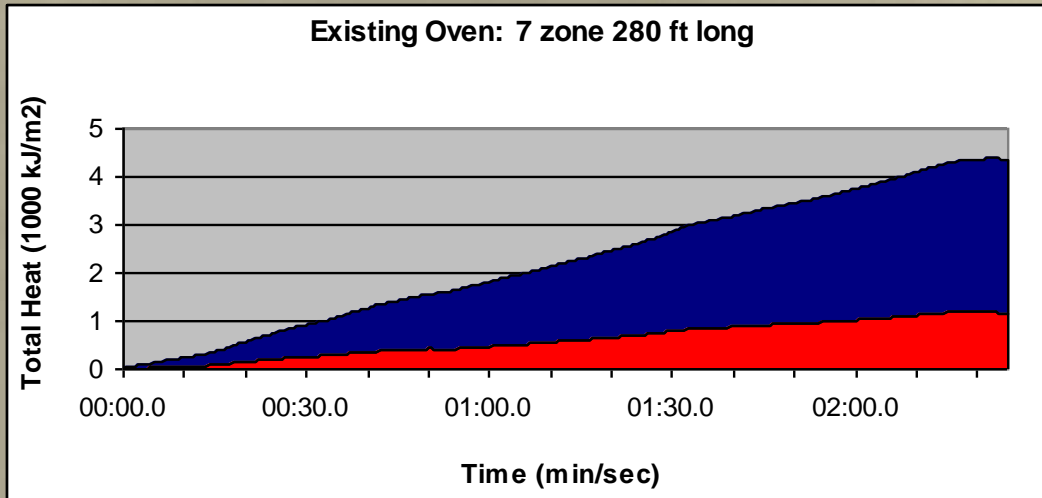
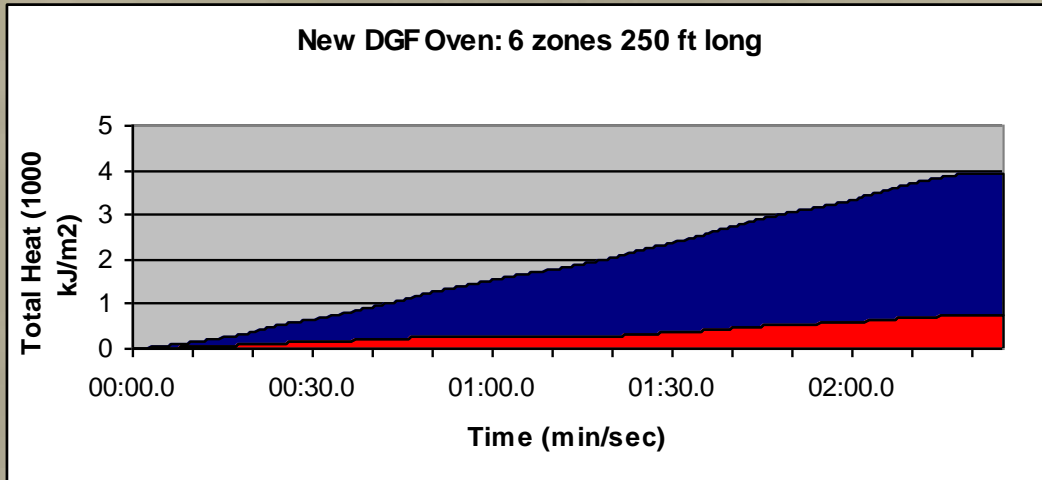
Date: December 15, 2000
Time: 14:46
User: RTS

Comparison of Oven Belt Temperatures

Process name:
Product name:
File name: P:\Belt Temps.sv7



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Total Heat Comparison

Heat	Exist Oven	New Oven
Radiant	1163 KJ/m ²	730 KJ/m ²
Convection	3205 KJ/m ²	3215 KJ/m ²
Total	4368 KJ/m²	3945 KJ/m²

The Difference:

37% Less Radiant Heat
in the new Oven



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Solution: Change the oven temperature profiles to better match the Total Heat applied to the product.

Total Heat: Increased to 4165 KJ/m²

