



# Reading Thermal SCORPION<sup>®</sup> 2 Case Studies: 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 lines produce crackers that will match the quality of the older production line?*



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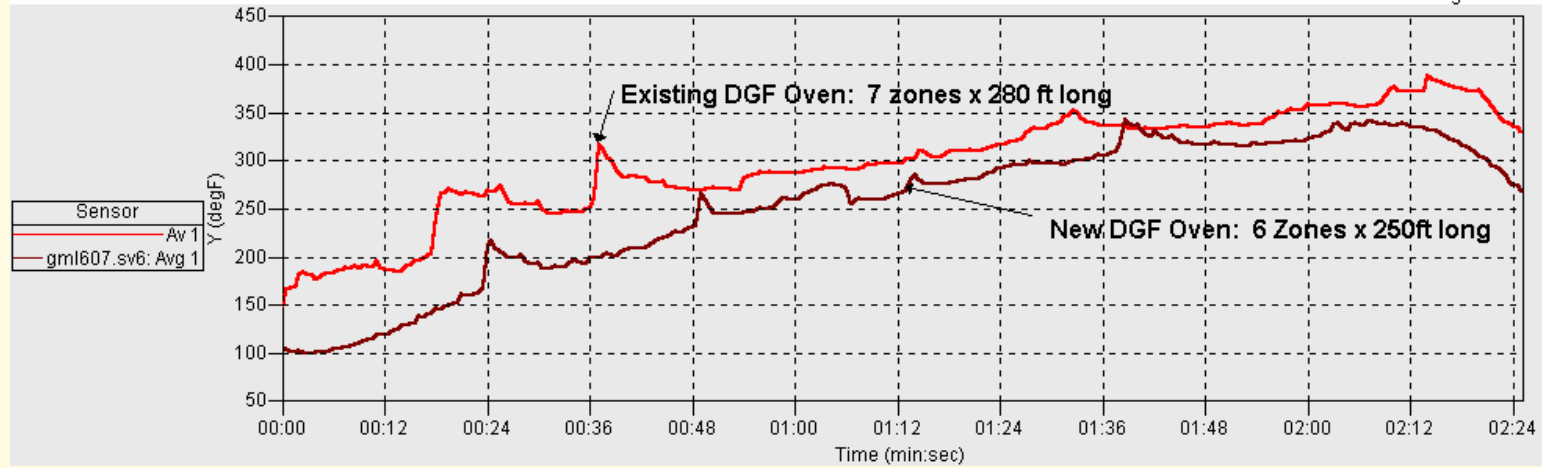
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# Making the Same Product on Multiple Lines

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

### Comparison of Oven Air Temperatures

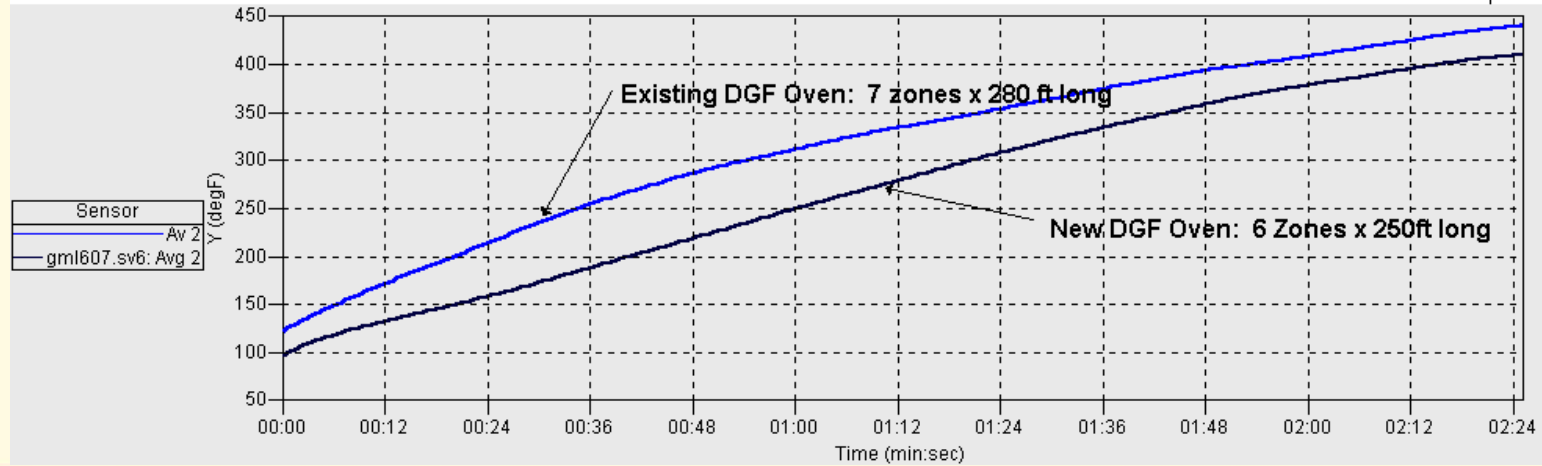
Process name:  
Product name: Saladita  
File name: P:\. \gcl211.sv6



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

### Comparison of Oven Belt Temperatures

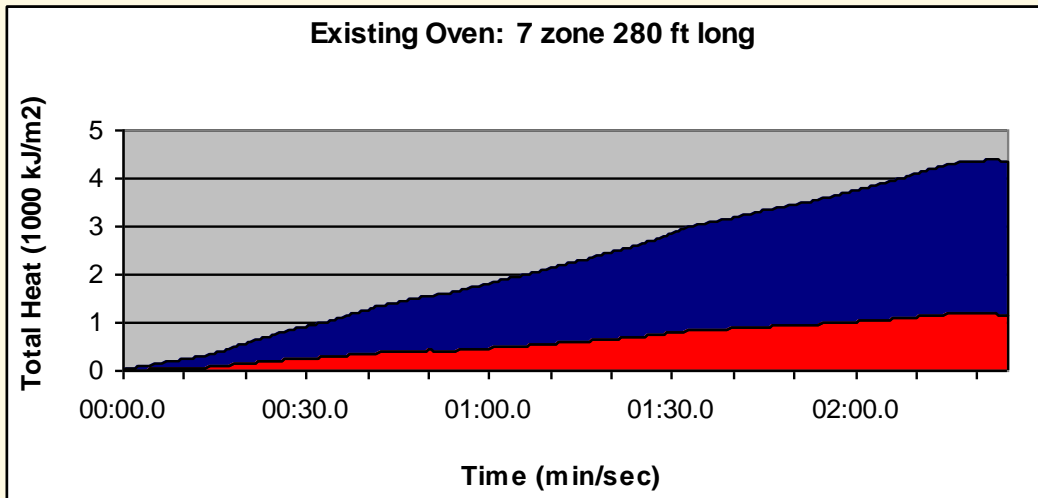
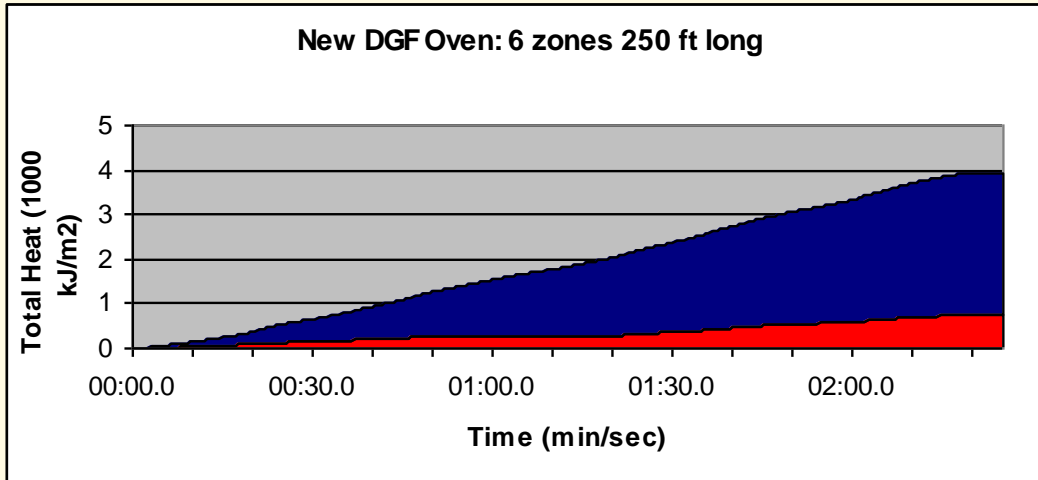
Process name:  
Product name: Saladita  
File name: P:\. \Belt Temps.sv7



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## Total Heat Comparison

<u>Heat</u>	<u>Exist Oven</u>	<u>New Oven</u>
Radiant	1163 KJ/m <sup>2</sup>	730 KJ/m <sup>2</sup>
Convection		3205 KJ/m <sup>2</sup> 3215 KJ/m <sup>2</sup>
Total	4368 KJ/m <sup>2</sup>	3945 KJ/m <sup>2</sup>

The Difference:

*37% Less Radiant Heat in the new Oven*



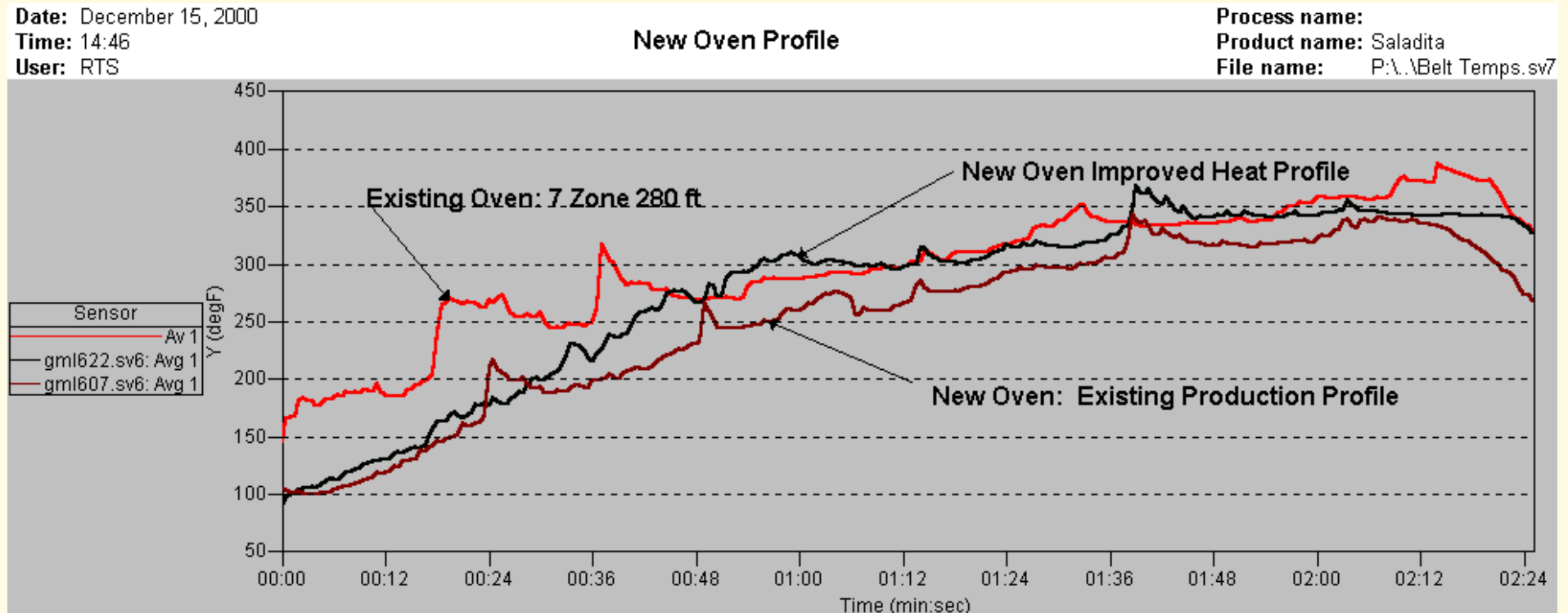
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**Solution:** Change the oven temperature profiles to better match the Total Heat applied to the product.

Total Heat: Increased to 4165 KJ/m<sup>2</sup>



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# Questions?



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**Please reach out and we can discuss your process needs!**

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