

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

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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

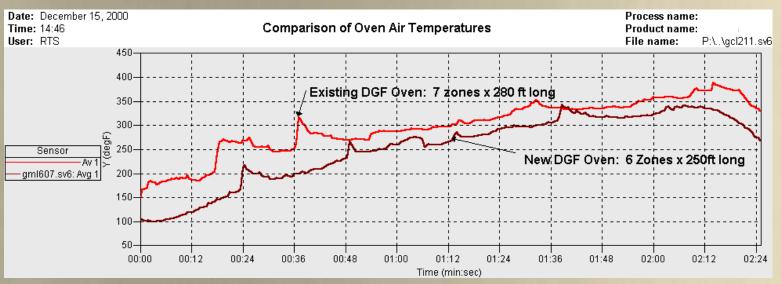
line that is over 20 years old.

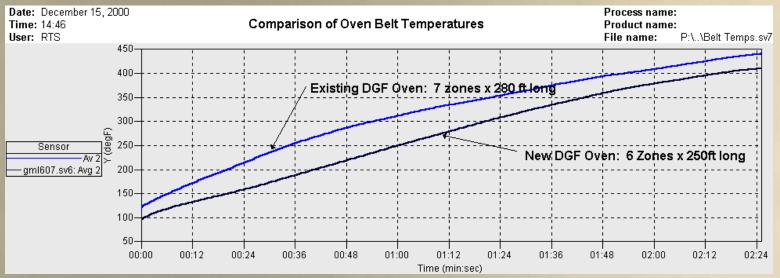
How can the new line produce crackers that

will match the quality of the older production

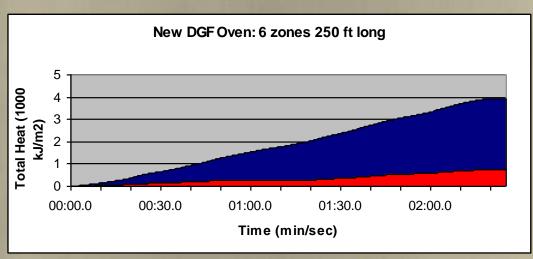
line?

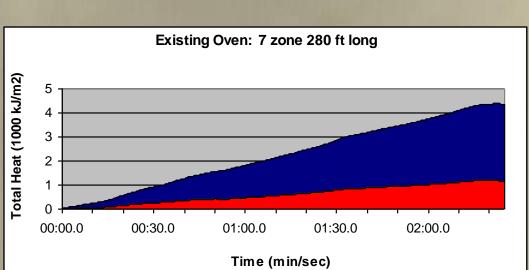












Total Heat Comparison

Total	4368	KJ/m2	3945 KJ/m2
Convection	3205	KJ/m2	3215 KJ/m2
Radiant	1163	KJ/m2	730 KJ/m2
<u>Heat</u>	Exist C	<u>)ven</u>	New Oven

The Difference:

37% Less Radiant Heat in the new Oven



Solution:

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

Total Heat: Increased to 4165 KJ/m2

