READING THERMAL

SCORPION® Profiling Service

SOLUTIONS FOR THERMAL PROCESSING SYSTEMS

No matter what oven or other thermal system you use, the SCORPION® Profiling Service will **take the mystery out of your process**—spotting problems, maximizing quality and boosting efficiency. Our expert technicians use the state-of-the-art SCORPION® 2 Data Logging Measurement System, at your location, to collect critical data and analyze your specific situation. We then employ our advanced proprietary SV8 software to help us understand precisely what is happening inside your oven and develop effective, economical solutions.

CONSISTENTLY ACHIEVE DESIRED PROCESSING CONDITIONS THROUGHOUT YOUR ENTIRE OPERATION

Do you need to transfer product from one production line to another in the same or different plants?

Do you experience uneven bake across the band?

Do your products have moisture retention problems?

Do multiple lines produce undesirable variations on the same product?

Do you need increased production capacity?

For a wide range of production problems, the SCORPION® Profiling Service provides the answers!

SCORPION® Profiling Service

SCORPION® 2

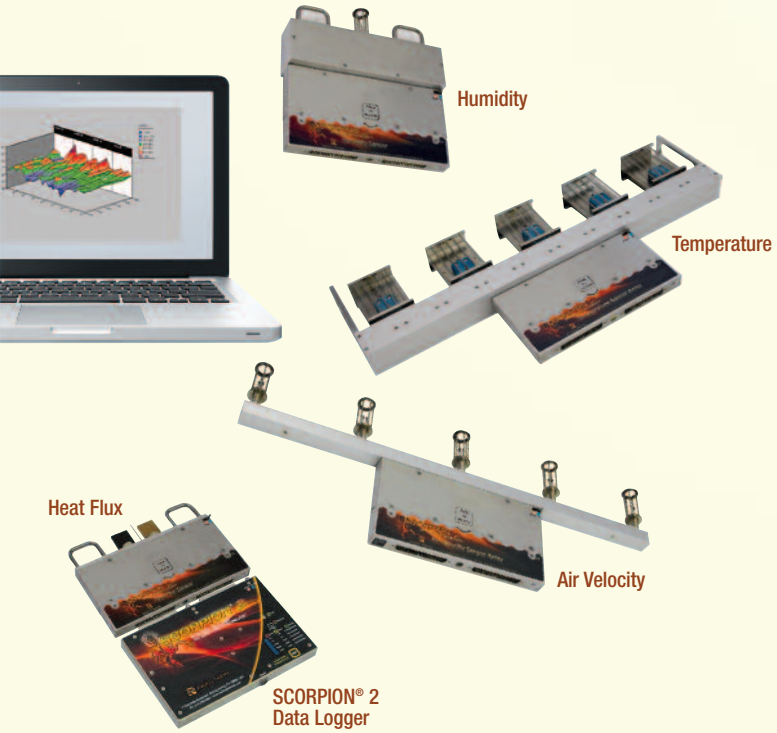
Data Logging Measurement System with SMART SENSOR TECHNOLOGY™

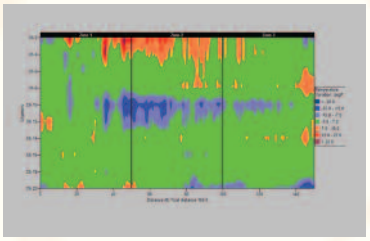
MEASURING KEY PARAMETERS

- The SCORPION® Profiling Service measures and analyzes critical thermal process parameters: temperature, air velocity, heat flux, and humidity
- All measurements are taken with process equipment under full product load using fixed sensors located at actual product level
- Profile, analyze and compare data gathered to maximize performance and solve production problems

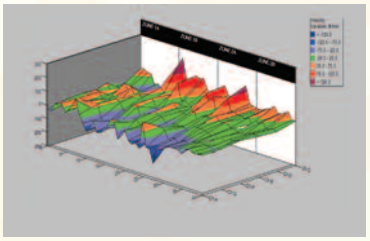
OPTIMIZE YOUR PROCESS!

Reading Thermal will profile your equipment, analyze the results, discuss those results with factory representatives, and issue a comprehensive performance report. **We'll compare your oven to others like it—and our recommendations will optimize your process.** Our profiling service will map air velocity, temperature, heat flux and humidity. And our analysis and consultation will produce solutions to problems such as inconsistent quality, moisture retention, uneven bakes, low production capacity, and more.

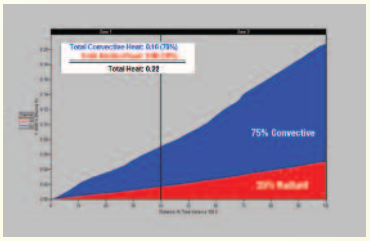




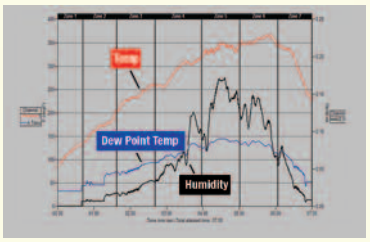
TEMPERATURE SENSORS measure air temperature at product level and also the temperature of the conveyor itself. Measurements are taken across the width of the conveyor.



AIR VELOCITY SENSORS measure product level air flow across the width of the conveyor.



HEAT FLUX SENSOR measures the rate of heat transfer to the product and identifies the predominant mode of heat transfer—radiant or convection.



HUMIDITY SENSOR measures moisture at product level in heating or cooling processes.

Contact us for a sample report and pricing.

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