



**WIRE-MESH
PRODUCTS, INC.**
BECAUSE A BELT IS NOT JUST A BELT™

CASE STUDY

MULTIPLE ISSUES ON A SHORT LIFE HIGH TEMP BELT

SITUATION:

WMP received two belt samples from a source that were representative of the initial belt used in a new high temperature furnace that was experiencing rapid stretching and unusual spiral distortion. The first sample was a small piece (approximately 2") of a right-hand spiral, while the second sample was a full-width piece with both left and right-hand spirals.

FINDINGS:

WMP believes that the samples were made from two different sets of tools. Wire-Mesh found that the width of each spiral did not match, nor did the openings between the loops. Furthermore, the O.D. and the I.D. of the sample spirals did not match. Lastly, the sample had a loop welded in the middle characteristic of welding the ends of two wire racks together prior to the weaving process – a sloppy manufacturing technique to save time and scrap.

RESULTS:

Wire-Mesh Products manufactured a belt with quality spirals in all critical dimensions: height, width, pitch, I.D. and O.D. No shortcuts were taken, resulting in an improved belt with longer life.

