SpyroCor® Radiant Tube Inserts

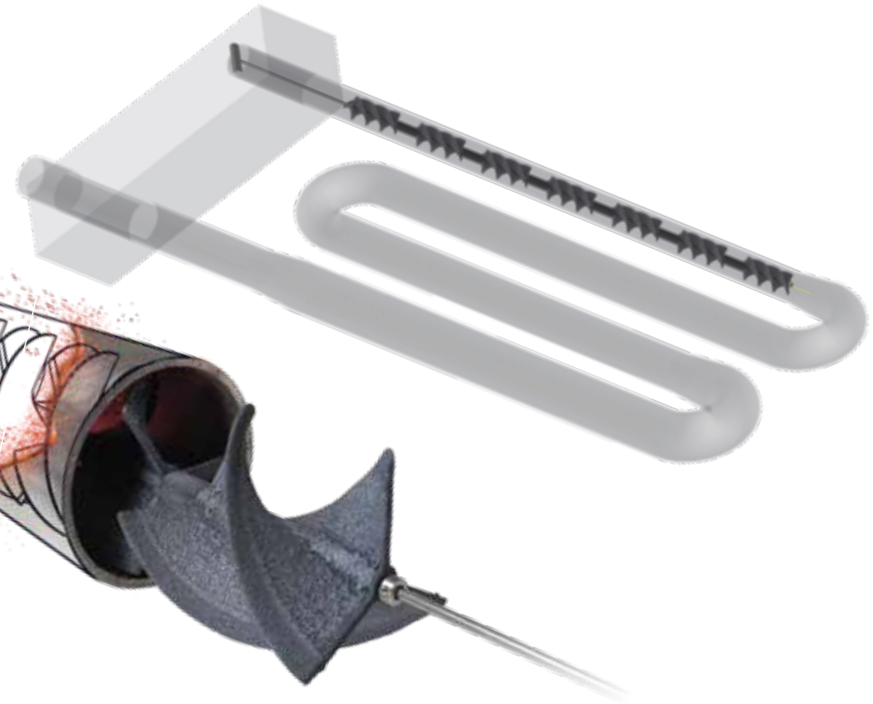
MARKET: **ALUMINUM** CASE STUDY

Application Infomation

Type:	Aluminum slab reheating furnace
Trial Details:	• Loads consisted of 5 standard aluminum slabs (375” L x 136” W x 5.25” T) • Target temperature 890°F
Radiant Tube:	32x W-type radiant tubes in a vertical orientation
Burner:	567,000 BTU/hr

Saint-Gobain SpyroCor Radiant Tube Inserts

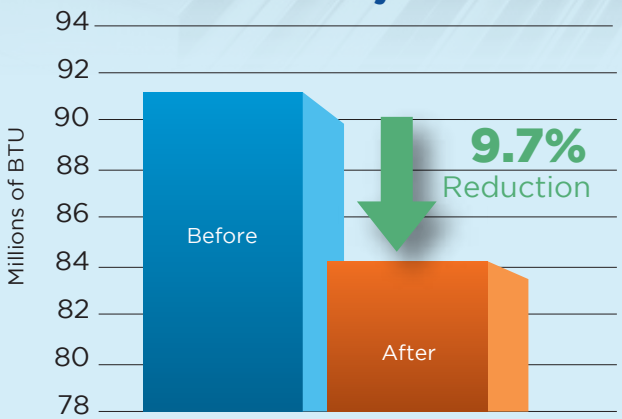
Dimensions:	2.5” diameter x 6” length
Number of inserts:	3 SpyroCor per radiant tube



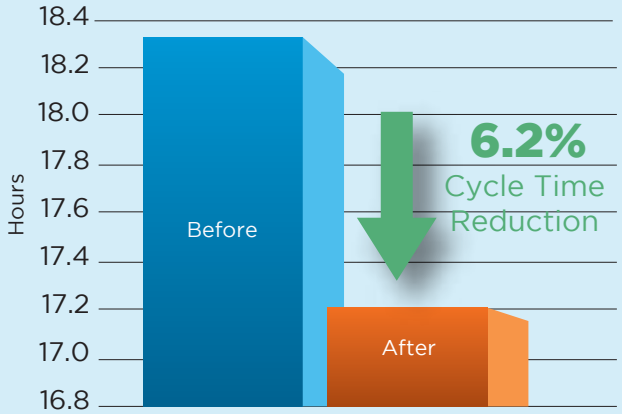
Result Summary

- **9.7%** Energy savings
- **4 Months** ROI*
- **+28 cycles** per year additional capacity

Natural gas consumption per furnace cycle



Furnace cycle time



*Energy savings represents an average at gas cost of $4.00/MMBTU.

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