**SpyroCor® Radiant Tube Inserts**

**MARKET:** ALUMINUM

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### Application Information

**Type:** Aluminum coil batch annealing furnace

**Layout:** 12x vertical U-type radiant tubes

**Trial Details:**
- SpyroCor installed in all 12 tubes
- Evaluated over a 180-day trial period

**Radiant Tube:** U-type radiant tube in a vertical orientation

**Burner:** 833,000 BTU/hr

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### Result Summary

- **10.7%** Energy savings
- **10.7%** Cycle time reductions
- **+2.8 Million lbs** capacity increase

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**Specific energy (BTU/lb)**

- **10.7%** Reduction

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**Cycle time improvement**

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**180 day trial period**

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</thead>
<tbody>
<tr>
<td>Avg. 78 Tons</td>
<td>Cycle A</td>
<td>710</td>
<td>10%</td>
<td>11%</td>
</tr>
<tr>
<td>Cycle B</td>
<td>640</td>
<td>12%</td>
<td>11%</td>
<td></td>
</tr>
<tr>
<td>Cycle C</td>
<td>580</td>
<td>11%</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>Cycle D</td>
<td>475</td>
<td>17%</td>
<td>13%</td>
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</tr>
<tr>
<td>Cycle E</td>
<td>460</td>
<td>19%</td>
<td>14%</td>
<td></td>
</tr>
<tr>
<td>Cycle F</td>
<td>350</td>
<td>7%</td>
<td>6%</td>
<td></td>
</tr>
<tr>
<td>Cycle G</td>
<td>275</td>
<td>6%</td>
<td>10%</td>
<td></td>
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**Saint-Gobain SpyroCor Radiant Tube Inserts**

**Dimensions:** 6.5” diameter x 6” length

**Number of inserts:** 7x SpyroCor per radiant tube

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[www.ceramicsrefractories.saint-gobain.com](http://www.ceramicsrefractories.saint-gobain.com)

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