



**A COMPARISON OF THE OPERATING COSTS OF A 650 LITRE HOT CHEMICAL BLACKING LINE AND A ROOM TEMPERATURE CHEMICAL BLACKING LINE.**

This is a comparison in costs taken after the first year of operation of a room temperature blacking line installed at the end of 1994 to replace an existing hot chemical blacking line.

HOT BLACKING LINE COSTS	BLACKFAST ROOM TEMPERATURE BLACKING LINE COSTS
<p><b>HEATING COSTS</b></p> <p>4 hot tanks operating 65 hours per week at £240 per week (45 weeks)</p> <p>(Water 100°C, hot degreaser 80°C 2 blacking tanks 165°C)</p> <p style="text-align: right;"><b>£11,040</b></p>	<p><b>HEATING COSTS</b></p> <p>2 hot tanks operating 65 hours per week at £91 per week heating (45 weeks)</p> <p>(Water 100°C, hot degreaser 80°C)</p> <p style="text-align: right;"><b>£4,186</b></p>
<p><b>CHEMICAL USAGE</b></p> <p>Degreaser, hot salts, oil and acid pickle (includes 140 x 25kg sacks of hot salts)</p> <p style="text-align: right;"><b>£6,500</b></p>	<p><b>CHEMICAL USAGE</b></p> <p>Degreaser, cold blacking chemical, oil and acid pickle.</p> <p>The actual usage for the above period was £8496. However the company estimates that the work throughput has increased by 30% more than the period 26.04.93 - 20.04.94. On a pro rata basis the equivalent cost would be</p> <p style="text-align: right;"><b>£5,947</b></p>
<p><b>MAINTENANCE</b></p> <p>Tank cleaning 3 – 4 times a year</p> <p style="text-align: right;"><b>£1,000</b></p>	
<p><b>DOWN TIME</b></p> <p>During winter months tanks are only available for usage when operating temperature is reached at 10-11am</p> <p style="text-align: right;"><b>£??</b></p>	
<p><b>BUILDING MAINTENANCE</b></p> <p>Maintenance and down time results from corrosion to the building fabric and flues caused by fumes from hot tanks.</p> <p style="text-align: right;"><b>£??</b></p>	
<p><b>WATER COSTS</b></p> <p>Evaporation of 300 litres of water each day from the hot tanks</p> <p style="text-align: right;"><b>£??</b></p>	
<p style="text-align: right;"><b>TOTAL ANNUAL COST £18,540</b></p>	<p style="text-align: right;"><b>TOTAL ANNUAL COST £10,133</b></p>