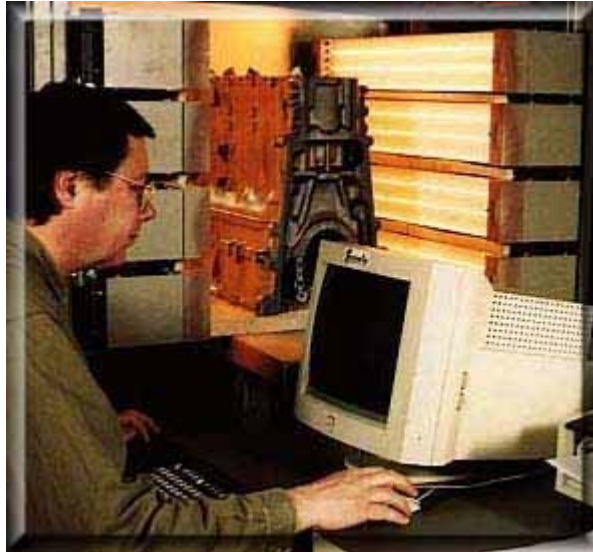


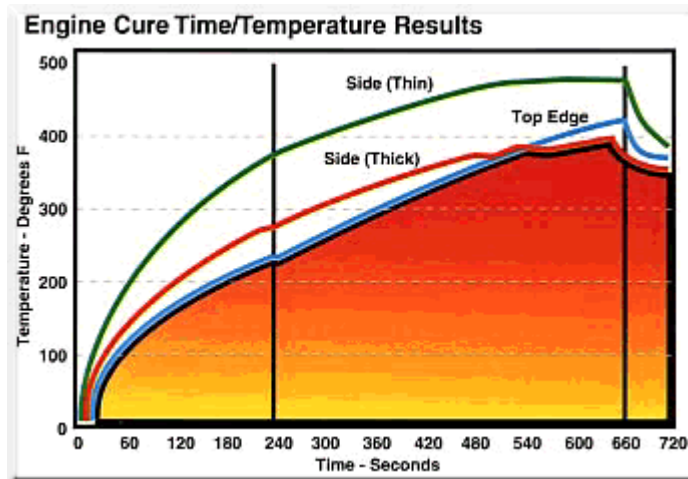
Powder Coated Engine Blocks

Advanced lab testing is what makes Fostoria Industries, Inc. your best choice for complex curing applications. Our engineers have successfully designed a curing oven for a product that would not normally be thought of as a candidate for infrared technology - 750lb. aluminum engine block.



Common thought would be that infrared heat could not be used to cure an epoxy powder coating on a large engine block, due to the engine's thick walls and multiple variations in wall thickness. However, based on years of testing and application experience, Fostoria believed electric infrared was the best solution.

We designed and tested specific combinations of heating elements,



reflectors and power controls. The final design **reduced curing time** significantly and provided the **consistency** needed to meet the manufacturer's desired level of **quality**

The final design incorporated hi-intensity, self-cleaning reflectors; short wave-length tungsten quartz lamps and customized zone control system that varied the heating intensity from 40 to 80 watts per square inch. This enabled our engineers to balance cure temperatures across the engine block so that a uniform curing speed could be achieved,