



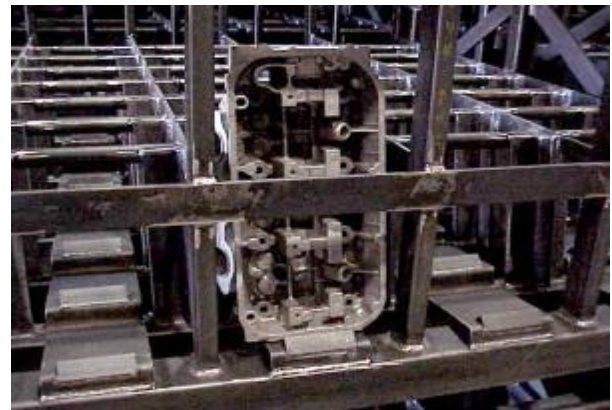
ROSE METAL INDUSTRIES, LLC.

A TRADITION OF EXCELLENCE

Case Study: Heat Treating Basket Automotive Components

As a specialty niche, we are a recognized designer and fabricator of baskets and fixturing for solution heat treatment and age hardening of aluminum automotive parts. We have been involved in producing successive generations of fixturing for numerous manufacturers for the heat treatment of engine blocks and heads, wheels, suspension components and other related items.

In this case, engine blocks, our task was to design a basket for use in a continuous feed, robotically loaded and unloaded furnace line. Considerations included: minimizing basket weight, optimizing load to fixture weight, parts orientation and positioning to facilitate robotic loading / unloading, minimizing distortion both from heat and quench, insuring smooth travel over rollers in furnace.



Product Description – Heat Treat Basket for aluminum engine blocks

Market – Automotive

Materials – Low Carbon Steel

Size – 48" x 48" x 32"

Processes – Material cutting, MIG welding

Tolerances – +/- .060"

Quantities – 25 pcs per lot

Inspection – Conventional measuring & calipers, visual weld inspection

Please have us quote on your next requirements!

ROBOTIC WELDING, FABRICATING & FORGING SPECIALISTS



REGISTERED TO ISO 9001: 2000

