



ROSE METAL INDUSTRIES, LLC.

A TRADITION OF EXCELLENCE

Case Study: Thermal Processing Fixturing for Aircraft Engine Vane Sections

As production of aircraft engine components has increased in sophistication, Rose Metal's engineering staff has worked closely with customers to design and fabricate each new generation of processing fixturing. Guided by ever present cost restrictions, our ongoing design task is to maintain required part support and orientation, create effective masking of portions of the part, facilitate loading / unloading ... while optimizing fixture life by reducing distortion at temperature.

In this case, pellet baskets were designed to hold donator material in a thermal coating process.



Product Description – Pellet Baskets made of Inconel sheet, custom perforated then fabricated to form 60 Degree radial section pockets

Market – Aerospace – Aircraft Engine

Materials – 11 Gauge Inconel 601

Size – Aprox. 34" Diameter Outer Ring x 8" high

Processes – Perforating, Laser cutting, forming, rolling, TIG welding

Please have us quote on your next requirements!

ROBOTIC WELDING, FABRICATING & FORGING SPECIALISTS



REGISTERED TO ISO 9001: 2000

