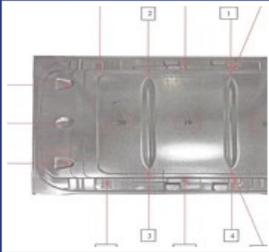




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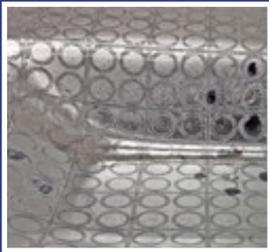
*Learn how our Material Support & Solutions team solved this customer material issue:*

## FORMING ANALYSIS



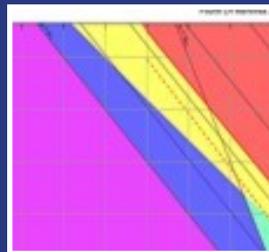
### THE PROBLEM:

The customer was experiencing structural safety of new parts and stampings, steel suppliers are directed to conduct CGA and TSA and report the results.



### THE ANALYSIS:

A circle grid analysis was performed. The metal strains and thinning were evaluated to verify the safety of the stamping. Several large blanks were electroetched, metal strains and thinning were then measured after stamping.



### THE SOLUTION:

The circle grid analysis was outsourced to the Material Support team at Worthington. Our metallurgists identified where areas needed improvement for die rework/material properties and helped optimize their product development, testing and quality assurance.

### THE ACTION:

When thinning of a formed or bent part is a concern and you don't have the equipment or expertise to conduct the analysis, contact the Material Support & Solutions team at Worthington.

**CALL US AT 1-800-944-2255**

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