

Proactive Product Safety

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



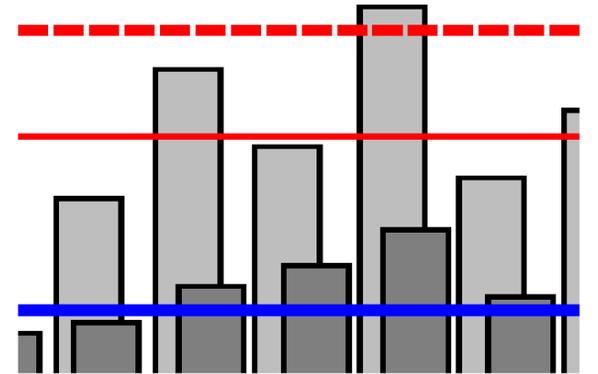
THE PROBLEM

The customer tested a new die to make a difficult new part. The part was made out of high-strength low-alloy steel, which is very unforgiving, and it wasn't forming correctly with the die. The need to launch the new part without issue was paramount.



THE ANALYSIS

The part was evaluated by Worthington's engineers using a circle grid analysis to understand its thinning and forming limits. High-strain areas where the material was being pushed beyond its limits were identified. The die was modified at the vendor's tool and die shop to allow sufficient material flow before the part went into production.



THE SOLUTION

Getting the die vendor involved early creates a proactive way to solve tool and die/surface problems that may occur on new parts before the critical home-line launch trials.

— THE ACTION

When critical parts are in the new die development phase, contact the Material Support & Solution team at Worthington to support you through the launch.