

Engineering Center
Madison Heights, Michigan

Cold Formed Specials

Application Need:

Redesign screw machine products for cold forming and subsequent finish machining to save cost and scrap.

Examples:

Knock Sensor Housing:

- Knock sensor was a formed flat head bolt with the "cup" portion welded on

Solution:

- Part is now formed as a blank and "cup" portion is finish machined

SAVE MONEY (MATERIAL SAVINGS) AND REDUCE COMPLEXITY



EGR Valve Pintle:

- This stainless steel part was fully screw machined

Solution:

- Part is now fully formed to precise tolerances

SUBSTANTIAL SAVINGS ON COSTLY MATERIAL SCRAP



Aluminum Pin for Starter Application:

- This pin was fully screw machined to maintain tight length tolerances

Solution:

- Developed for cold heading while maintaining tight tolerances

50% MATERIAL SAVINGS WITH NO PERFORMANCE LOSS

