



Engineered Cost Savings Success Story

\$190,000 Program Savings Spot Welding Replaced by Mechanical Staking Techniques

Problem: Perfection became aware that our customer was using shields closed with a spot weld operation. As our sales and engineering team questioned the method, and offered a better solution, we went to work on redesigning the parts and associated tooling to eliminate the secondary operations on four different parts.

Method: Through joint design and engineering Perfection offered four new designs to meet the strength requirements of the application. We replaced the spot welding operations in two places by using a mechanical closing technique in the primary manufacturing operation with the tooling staking the parts together. Blanking, forming and closing are completed in a single operation to insure a consistent and repeatable lock.

Solution: The outcome was effective and simple using a design for staking, developed by Perfection engineers, for the benefit of our customer.

Benefit: Ultimately, the customer received a better product produced with less leadtime. With a combined volume of 10,000,000 pieces, the estimated annual savings to the customer was \$190,000.

Result: Providing engineering suggestions for our customers, sharing our expertise, and providing suggestions is what we do to keep and grow a loyal customer base. We call it, "The Perfection Advantage".

Perfection Solutions

