die-tech

Brief

Stamping Ideas Into Reality

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What is the Next Step?

You have identified that your product requires the use of a precision metal stamping – what is the next step in considering the form and function of that metal stamping?

The next step is to select an exceptional stamping partner that understands the metal stamping discipline as it relates to the entire assembly process. A well designed precision metal stamping should take advantage of the ability to integrate miniaturizing, fixturing, handling, locating, or orienting features that can be inherent in a metal stamping. Skillfully designed stampings make the difference in the quality, consistency, and manufacturability of any product that incorporates their use. These and other important factors are often overlooked by a run of the mill stamping manufacturer.

For example, when developing a new product which requires dimensional stability, having a stamping partner that is not invested in any one specific style of stamping or assembly but is focused on helping you select the best fit for your product can provide many advantages that pay dividends for your process over the long run.

Richard K. Dennis, Die-Tech's founder, explains how this worked for a leading producer of igniters in the Northeast: "When we were invited in to evaluate the use of precision metal stampings in the igniter process, the manufacturer was using twelve separate components along with a manual solder dipping operation to assemble their product. During the collaboration that followed, a custom designed metal stamping reduced the number of components from twelve to six, and replaced the solder

dipping requirement to a precision dot of solder paste. The cost savings realized by these improvements alone paid for the cost of tooling the new stamping and allowed the company to pass along savings to their customers while maintaining their original profit margin. The lower price made the product more competitive and enabled the manufacturer to gain market share."

Die-Tech produces precision metal stampings used in a wide variety of products from computer processors to large specialty filters for nuclear power plants. By capitalizing on such diversity, it is only natural for Die-Tech engineers to develop new solutions to our customer's challenges. When a customer's entire process has been considered and evaluated properly, the optimum role of the metal stamping can be discovered and proposed.

There are more possibilities than most die designers can imagine. A Die-Tech Business Development Engineer to help you explore the possibilities of reducing your total cost of manufacturing is just a phone call or click away.

Win a gift certificate! Send your suggestions for Die-Tech product improvements to ideabox@die-tech.com and you will be entered in our quarterly drawing for $50.00.

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