



The American Precision Advantage ...in Hard Tooling

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American Precision Castings uses a process which utilizes the inherent stability of **epoxy** to produce patterns that are both **rigid** and completely **inert** to atmospheric temperature and humidity. Although somewhat more expensive initially than the RPM or soft tooling. This **hard** tooling approach exhibits **dimensional stability** for a virtually unlimited number of pieces. Another significant advantage of the hard tooling approach is that dimensional changes can be made very economically as compared to the use of soft/rubber tools. To make any changes to soft tooling requires a complete re-pour for every series of engineering changes. This can be very expensive. Hard epoxy tools on the other hand are very inexpensive to change. If a boss or a rib has to be added, it's simply added to the epoxy tool. In using soft tooling the original master must be changed and then a complete new pattern must be poured. Again, this can be very expensive.

The obvious intent of this letter is to present APC's reasons to use our process versus other approaches for making aluminum, magnesium, zinc, brass or bronze prototypes or limited production castings requirements. Some of you reading this will have already discovered the benefits of APC's tooling approach. Some of you may have used soft tooling for your casting requirements and are discouraged with air-set, green sand, and/or plaster molding in general. Some of you are plainly upset with what you **perceive** to be an inferior process. Let American Precision Castings change your mind. Fifty years of experience will allow APC to provide you with on time reliability. Allow American Precision Castings to be the supplier of your next casting requirements.

USE THE APC ADVANTAGE