



The American Precision Advantage ...in Sand Castings

American Precision Castings' philosophy has always been a continuing effort to offer our customers the best choices in selecting the casting process which will maximize expected results. After many years as a precision plaster molder, APC has added a precision sand molding process to its foundry. The question was asked, "What are engineers and buyers looking for in MIL – Spec., high quality sand castings?" The answers were, thinner walls, better surface finish, improved dimensional control and the ability to cast complex shapes in sand that meet radiograph and penetrate ASTM standards. These needs have been achieved through the use of various materials and techniques.

Thinner Walls (approximately .125") are obtained through careful metal temperature control, ceramic filtering systems, improved gating and risering, and the use of proprietary core making materials. **Better Surface Finishes** are created by the use of specialized mold washes, virtually eliminating burn-in. **Improved Dimensional Control** is demonstrated through the use of minimal tolerance allowances of tooling and rigidly controlled mold assembly techniques. Our precision molded sand castings are now used in several areas of national defense equipment from tanks to aircraft and electronics. Commercially, our parts are used in computers, farm equipment, autos and trucks, medical equipment, etc.

The next time you are looking a **Metal Casting** application, let American Precision Castings assist you in making a more successful decision. We are here to help you, so give us the opportunity to backup what we offer. Precision sand castings offer a relatively inexpensive approach to producing the types of castings specified by military procurement. American Precision Castings' specialized sand casting process can provide the quality, reliability, and delivery that you need to satisfy your casting requirements.

USE THE APC ADVANTAGE