MAGNA

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Ductile Iron Components Made Easy.

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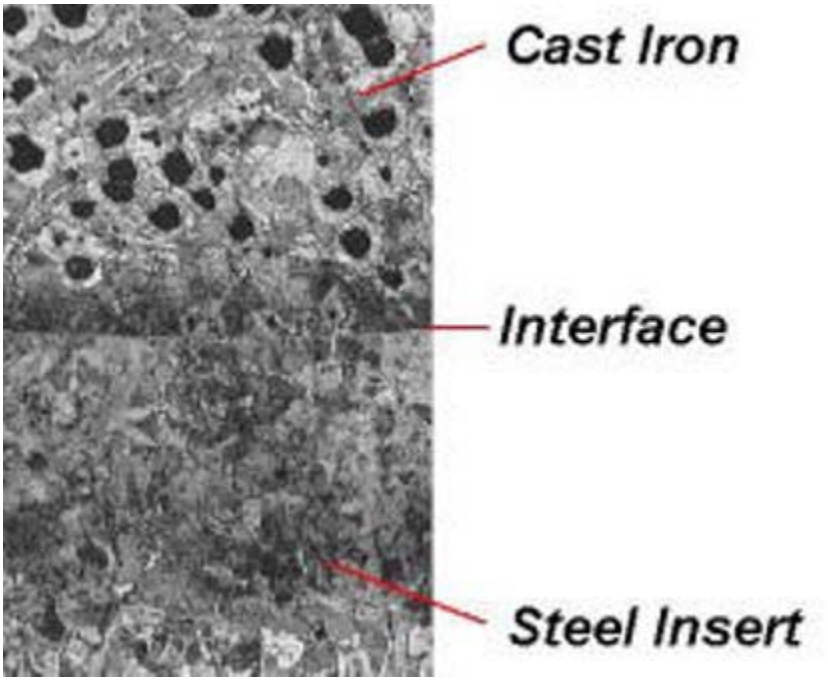
Sub : Composite Castings - Developed.

Magna is proud to announce the development of composite castings.

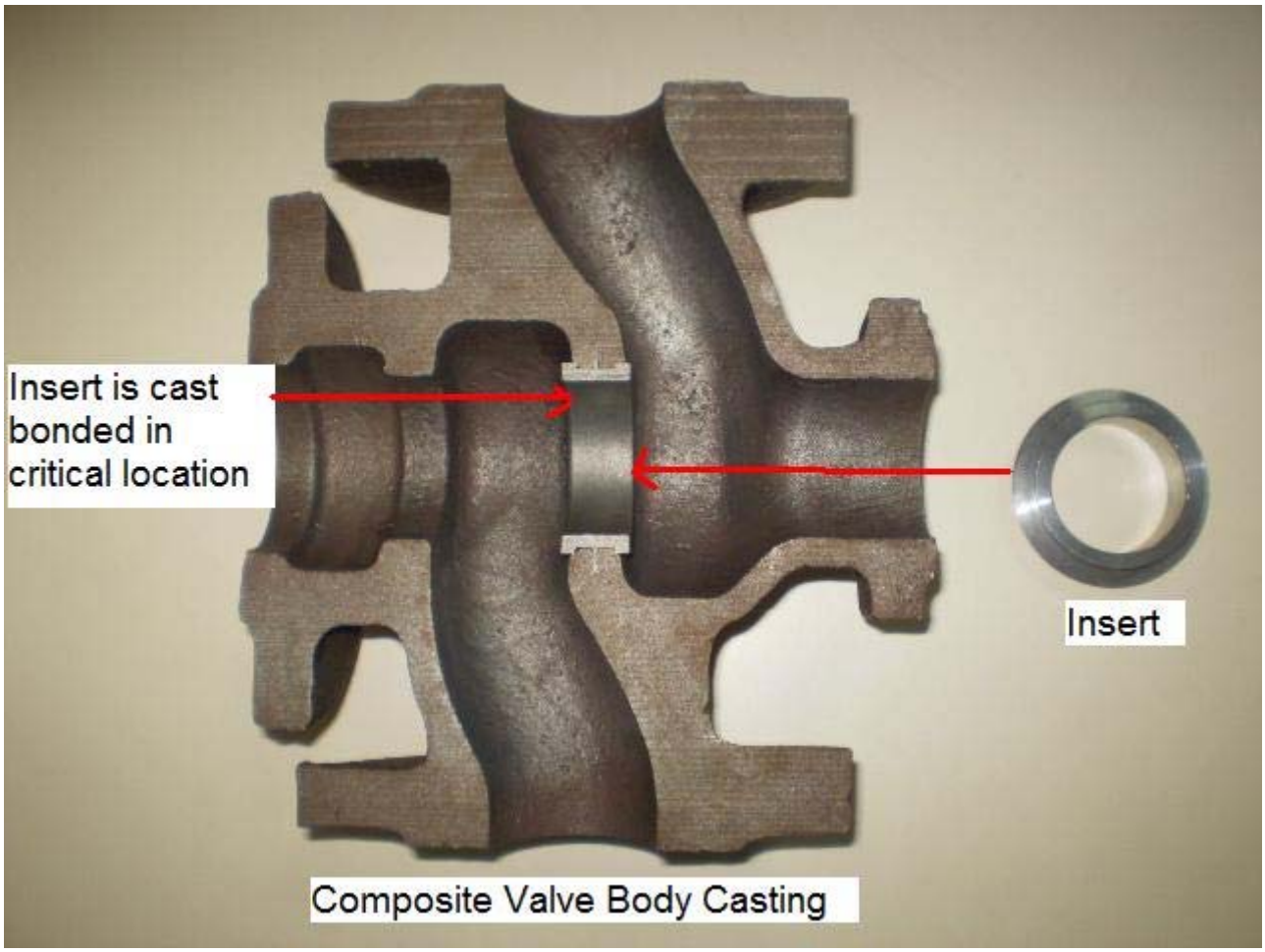
Composite Castings are castings made up of different types of Metal. Magna has developed castings combining Ductile Iron with Steel and Ductile Iron with Stainless Steel.

Although the procedure of the process is very simple, extremely tight process control and proprietary coating technology is required to achieve proper bonding. The Bonding process is completed by the solidifying metal.



Magna has successfully developed this technology in house and is one of the handful of foundries globally to have mastered this process.

A composite casting developed at Magna is a Ductile iron valve body casting with stainless steel inserts in the bore area. Magna is also developing castings with this process for various applications.



The advantages of composite castings are as follows:

1. Enhances superior material properties like wear resistance, corrosion resistance, creep strength etc at specific locations of castings.
2. Eliminates complicated machining operations.
3. Critical geometrical shapes can be easily cast.
4. Reduces overall cost of the product.
5. Greater Design Flexibility

This composite casting development will enable Magna to serve our customers better by providing cost effective and high performance casting solutions.