

ARISTO CAST

INVESTMENT CASTING

INVESTING in the future

For a process that's approximately 6000 years old it never ceases to amaze me the refinement that has taken place in the last 15 years. We've gone from very rudimentary injection molds to a very sophisticated tooling that we use today. We've gone from machinable wax being utilized for one off patterns to the ability to use additive manufacturing equipment to print very complex patterns in a wide variety of materials which are all compatible with the investment casting process. The advent of metal printing has encroached into the investment casting market.

As owner of Aristo-Cast Inc. and a member of the Additive Manufacturing Users Group (AMUG) we're going to get that business back using the P.I.C.S. (Printed Investment Casting Shells) process, a method that revolutionizes the traditional investment casting process. This is accomplished by printing the ceramic shell directly from cad data, eliminating the need for wax injection molds to create the patterns and the skill to dip the critical early coats of ceramic shell. The P.I.C.S. process allows even the most complex interior design to be cast successfully.

With speed, accuracy and cost as our goals we intend to show the progress we have made. We have successfully been able to print a ceramic shell that will reduce the time and cost of investment casting prototypes and in the future....production.