

GOVERNMENT SPONSORED TESTS SHOW THE GMBOND[™] PROCESS REDUCES EMISSIONS BY UP TO 99%

Complying with environmental regulations can be a costly proposition. But fines for violation of a pollution regulation can be even more expensive.

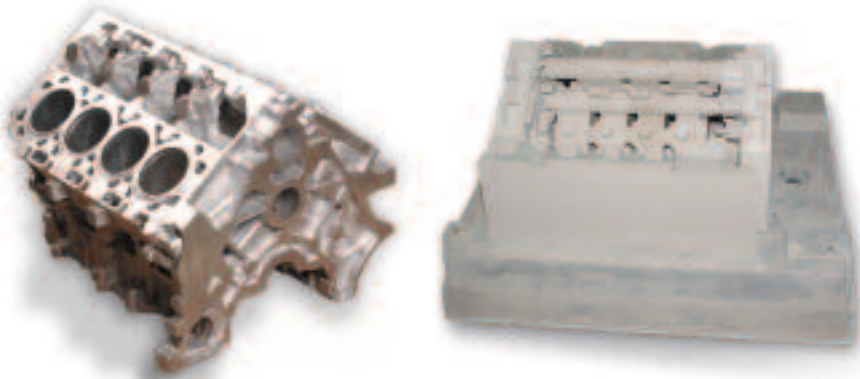
Fortunately, at the same time the government is implementing many environmental rules, it is also sponsoring research to identify ways foundries can comply and still maintain product quality and competitiveness. The Casting Emission Reduction Program (CERP), jointly funded by the U.S. Department of Defense and the U.S.



Council for Automotive Research, conducts independent testing to identify and evaluate alternative materials and methods for reducing foundry emissions. CERP has identified the GMBOND[™] Process as one that produces drastic emissions reductions when compared to the phenolic urethane baseline.

SIGNIFICANT EMISSIONS REDUCTIONS WITH THE GMBOND[™] PROCESS

In CERP's laboratory analysis of the GMBOND[™] Process, the binder displayed impressive results. When used with aluminum, the GMBOND[™] Process reduced pollutant emissions by up to 89 percent; with iron, the results were even more favorable, with reductions of up to 99 percent.



FOUNDRY IMPLEMENTATION UNDERWAY

The GMBOND[™] Process was implemented at a General Motors foundry with the backing of CERP and funding from the U.S. Department of Defense. GM management and engineering were interested in exploring new binder technologies that would help ensure the competitiveness of the industry. The local United Auto Workers, Hormel, and representatives from

CERP lobbied Congress to secure funding for a pilot program to demonstrate the viability of the GMBOND[™] Process as a technology that improves the bottom line as well as worker health and the environment.

"One example of CERP's importance is its project underway at the Saginaw, Mich., Malleable Iron Foundry. This project, which was begun with funding in the FY02 DoD Appropriations bill, will help this struggling foundry implement a next-generation process from Hormel Foods that allows it to reduce emissions and become more competitive. The technology will be transferred to other foundries in the future, and it will help save 400 jobs at the Saginaw Foundry."

— Rep. Gil Gutknecht (R-Minn.)

