



National MBE Manufacturers Summit 2016

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INNOVATION | PRODUCTIVITY | SUSTAINABILITY



PRODUCTIVITY

OEM Product Redesign

Problem:

A high-volume (760K) automotive OEM customer wanted to improve production efficiency and reduce the TCO cost of the **Gravity Die Cast valve base cover**.



Process:

AGI determined:

- A redesign of the original part was needed
- **High-pressure die casting** instead of gravity die casting
- Best-Cost Country resources used to reduce manufacturing cost, and TCO
- Warehoused parts in the USA for JIT delivery to customer



Redesigned



Solution:

AGI improved the customer's **manufacturing and production cost, process, and TCO.**

- ✓ Overall weight of the part was reduced
- ✓ Manufacturing efficiency improvements implemented
- ✓ Production PPM less than 20



Our Company:

AGI provides defect-free products and services on time every time. We meet regulatory requirements and provide End-to-End Supply Chain Management Solutions, and risk mitigation.

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CNC Machining / Assembly / Warehousing