

TOTAL COST REDUCTION FOR COMPLEX METAL PARTS

Let us look at your high cost, long lead-time, high scrap, high reject rate, and complex metal parts to alleviate your stress. Results include:

- 30%+ Price reduction
- Lead time reduction
- Elimination of scrap and NCR's
- Reduction in part Life Cycle costs



Case study

Our long-term customer in the aerospace industry came to us repeatedly to machine a casted aluminum part because the current casting and machining supplier were a severe source of pain. The lead time on the casting was a minimum of 16 weeks and was subject to substantial minimum purchase quantities. The secondary machining supplier had a scrap rate of nearly 15% of the castings. After machining, the part required several outside processes including plating, assembly, painting, and marking. All totaled the lead time on this item was over 6 months and required them to take on significant inventory unnecessarily because of minimum purchase quantities. Additionally, every time an electronic component or a mechanical feature changed, a new casting needed to be made resulting in a very high life cycle cost to this part.

Baum Precision Machining's Solution:

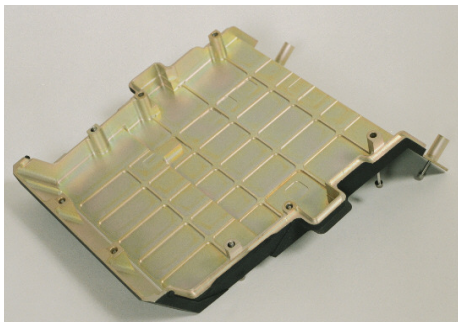
- Suggested design changes – change from a casting to a 100% CNC machined part by making some minor modifications resulted in:
- Lead time from >6mo to 8 weeks – reduction from 2 suppliers to 1
- 36% reduction in price – the cost is not in the weight of aluminum that you're starting with, it is in the time it takes to machine the part and the amount of scrap created due to human mistakes and poor casting quality.
- 0% Scrap – no more need to allow for scrap of castings
- \$0 Re-tooling Costs – Future design changes are easily accommodated by CNC programming for no or minimal costs.

NEW OFFERING – DESIGN SERVICES FOR MANUFACTURING

Introducing design services for manufacturing –

We can take the work of design change off of your plate

Our experienced in-house engineers and independent design partners can take the work off of your plate and make the necessary revisions to your drawings. You still control the design and own all IP, we just take the work off your hands to allow you to focus on your current projects. We are capable of working in Pro-E, Solidworks, and Auto-Cad.



LET US HELP YOU
REDUCE THE TOTAL COST
OF YOUR DIFFICULT PARTS

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