



Tuff – Cast Manufacturing With Wes–Tech Area Gantry

Problem

WTAS approach to problem solving is to define the problem parameters, analyze the requirements, and identify preliminary improvement opportunities.

- Outsourcing close to 100% of machined parts
- Lengthy set up time with smaller part lot runs
- Out sourced price was lower than in-house machining cost

Solution

WTAS develops solutions through cross -functional facilitation, knowledge-based application development, and best practices coupled with the right technologies.

- Reduce cost by combining multiple operations
- Flexible palletized shuttle system to accommodate small runs
- Combine two cells into one (flights and hubs)

Benefits

WTAS works closely with the customer to realize economic benefits based on the evaluation, selection, and implementation of the best alternative solution.

- Old process took 176 hours – new way takes 8 hours
- New machined part cost is the lowest ever
- By combining cells the labor content was reduced by 80%



“Typical previous production schedule took as long as eleven days, after this cell’s implementation it now takes eight hours.”

Area Gantry

Part shuttle system

Benefit Summary