



# Shuttle Gantry

## ***Daimler Chrysler Reaction Shaft Multiple Cell Automation***

### **Problem**

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

- ❑ One Piece flow between machining operations.
- ❑ Conveyor accumulation across three lines.
- ❑ Machine down time. One machine down, all down.

### **Solution**

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

- ❑ Buffering between multiple operations.
- ❑ Flexible shuttle system to transfer parts to ensure production schedules.
- ❑ System able to transfer parts between multiple lines for maximum uptime during machine down time.

### **Benefits**

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

- ❑ Additional buffering between multiple operations.
- ❑ Production schedules increased due to flexible automation.
- ❑ By adding the shuttle Gantry, production up-time increased by 20%



**“WTAS offered a solution that was innovative and solved our production requirement through SMART automation practices.”**

**Shuttle Gantry**

**WTAS Conveyor**

**Benefit Summary**