

Manufacturing Systems Workshop



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9:30am – Start and Introductions

9:35am – Manufacturing Systems

9:45am – Start 1st Manufacturing Simulation

10:00am – Results from 1st Simulation

10:10am – Start 2nd Manufacturing Simulation

10:25am – Results from 2nd Simulation

10:35am – Start 3rd Manufacturing Simulation

10:50am – Results from 3rd Simulation

11:00pm – Discussion & Conclusion

11:15pm - Finish

- Why?
 - Cheap
 - Available
- What do we need?
 - 6 Production Operators
 - 1 Chief Test Pilot
 - 1 Material Handler
 - Management Team
 - Run Manufacturing Simulation for 10 minutes

- **Space** - Number of tables used
- **Work in Progress** - Partially built planes which cost £1million to build
- **Good Parts** - Number of good planes that can be sold for £2million
- **% Good** - $\text{Number of Good Planes} / \text{Number of planes built}$
- **Lead Time** – X Plane, time from start to finish to build
- **Number of People** – Start with 6, can decrease.
- **Time** – 10 Minutes
- **Productivity** – $\text{Good Planes} / \text{People} / \text{Time}$
- **Total Profit**

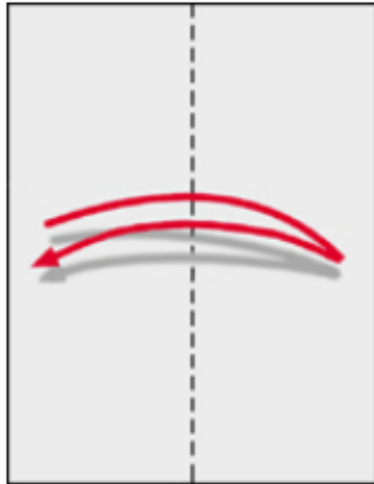


Simulation Run #1

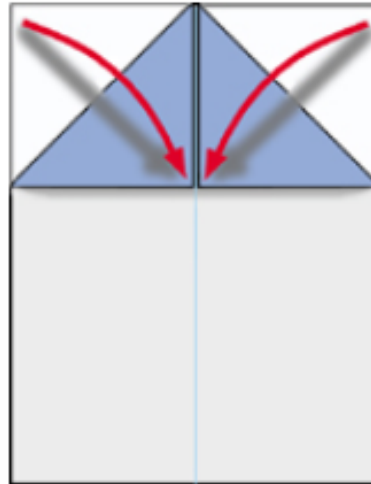




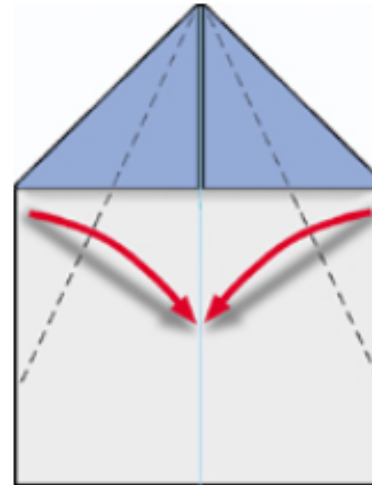
Work Instruction



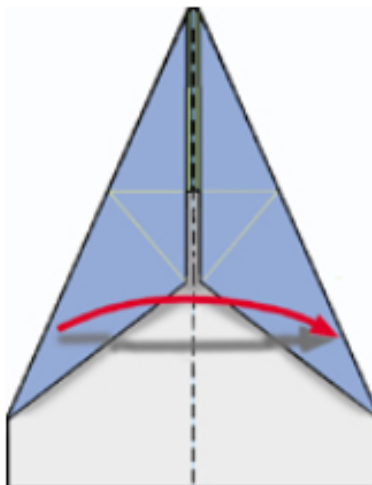
Step 1



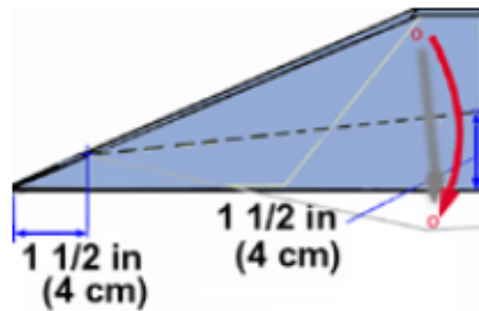
Step 2



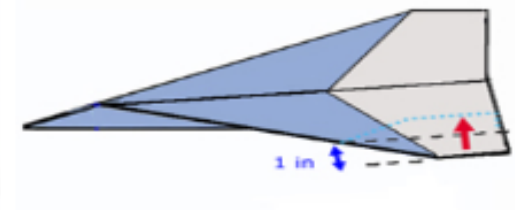
Step 3



Step 4



Step 5



Step 6



Simulation Run #2



Simulation Run #2

