

# Preparing For New Technologies

# Manufactured Product

- **Number of SKU's**
  - 3000 final assemblies
- **Number of tools**
  - 650 dies (500 Family, 3500 Inserts)
- **Number of moulding machines**
  - 44 (tonnage 35 – 500)
- **Other processes**
  - Machining, robotic and manual assembly

# Situational Analysis

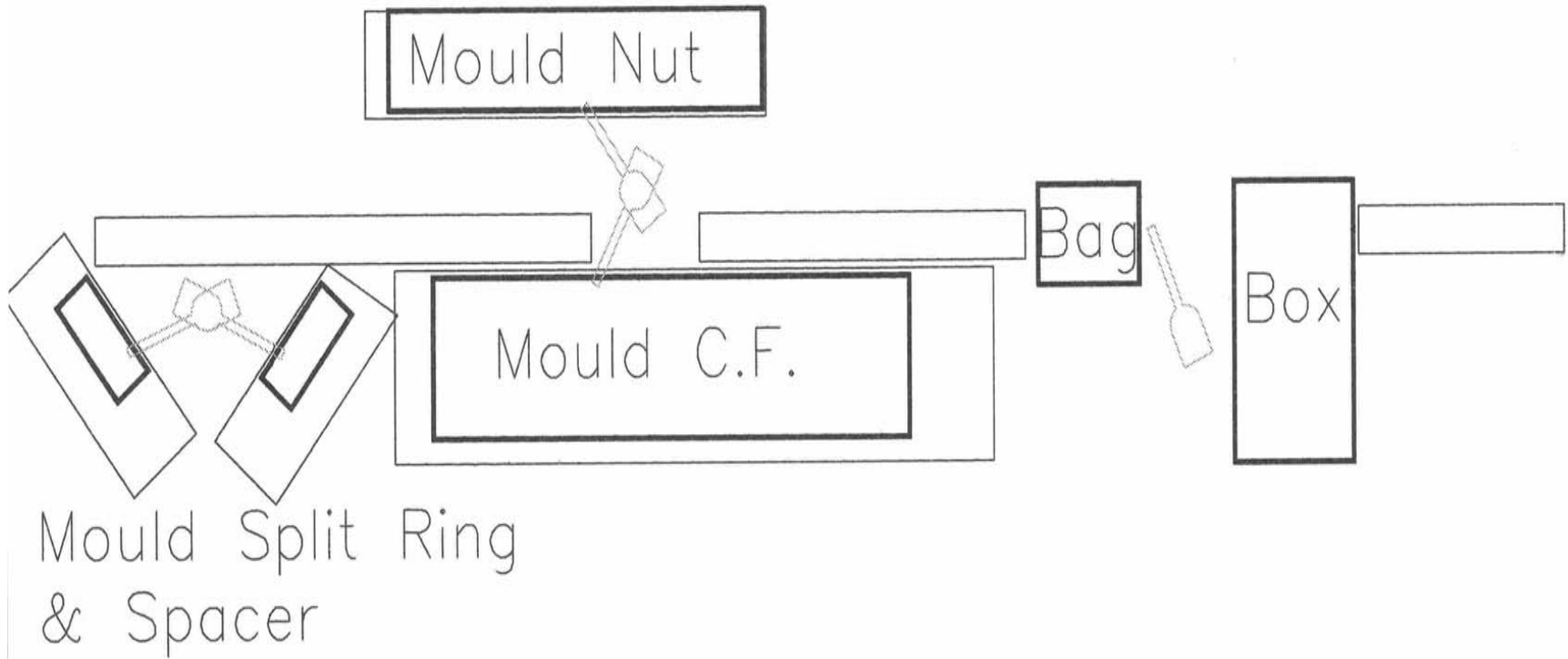
- **International competition**
- **Environmental legislative conformance**
- **Responsive supply chain pressures**
- **Technological advances**
- **Age and cost of work force**
- **Order winners becoming order qualifiers**
- **Complex manufacturing environment**

# Objectives of Manufacturing

- **Customer responsiveness**
  - Reliability
  - Speed
- **Cost reduction**
  - Cost reduction of product
  - Expense reduction
- **Asset Optimisation**
  - Plant configuration
  - Tooling
  - Machines
  - Inventory

**Product  
Or  
Process  
Factory  
?**

# Line Assembly Example



# Preparing the plant

- **Appropriate lean principles**
  - Eliminate non value adding
  - Simplification of task
- **WIP**
  - Asset optimisation
  - People resource optimisation
- **Six sigma pursuit**
  - Process control
  - Move away from people inspecting
- **Providing space**
  - NDC move
  - Outsource non core product
- **People**
  - Skill (Maintenance and operators)
  - Shift changes
  - Labour force planning to prevent redundancies
  - Structural change

# Learning's from review and strategic development

- **Don't sit on your arse. Have a vision**
- **Plan, Plan, Plan, Plan, Plan**
- **Research, visit, its all been done before. There is no need for something completely new.**
- **Plan, Plan, Plan, Plan, Plan**
- **Know when it is the right time**
- **Plan, Plan, Plan, Plan, Plan**
- **Take calculated risks**