



# MITTS



## Lean Manufacturing Tools

Lean Manufacturing (or Poka-Yoke) is a remedy for one of the '7 wastes of lean manufacturing,' specifically defects. Quality errors that cause defects require rework or replacement and utilize additional resources and materials that ultimately lead to additional costs and potential loss in customers.



### The DSI Advantage

Manufacturing IT offers many ways to implement the Lean manufacturing module within the manufacturing process. From instructional information and to worker guidance through conformity checks, these tools are designed to integrate into the existing process. The effects of Lean Manufacturing can be measured in real terms by reduction in the occurrence of defects and reduction in rework activities and the disturbance this brings to the manufacturing line. These outcomes boost efficiency and ultimately increase profitability. Reduced production disturbance because of rework leads to a shorter manufacturing process time overall and can therefore help with the adherence to delivery schedules.



### Real-World Applications

- Work Instruction Screens**  
 Providing process guidance through graphics and video.
- eChecklist Screens**  
 Text based work instruction list with operator feedback.
- Material Checks**  
 Confirm material compliance or record serial numbers.
- Pick-to-Light**  
 Providing a high level of process security.
- Kitting**  
 Electronic delivery of picking and kitting instructions.



## DSI DELIVERS

- ◆ Reduced waste due to defects.
- ◆ Increased first-time-correct ratio.
- ◆ Reduced rework activities.
- ◆ Increased quality.