

ARM Workshop – Lean Manufacturing



Who we are

Rich Maguire

COO – Remcon Plastics

2005 – Present

Past Experiences with

Herman Miller

Patriot Windows

Baldwin Hardware

Kent Pottebaum

- Engineering & Quality Manager – Solar Plastics
- 1998-Present

Custom Rotomolder

Mfg./Project Engineering

Lean Manufacturing

What is it?

A business strategy that demands *shorter lead times*, higher quality, lower costs by **eliminating waste** in every area of the value chain

What it is not

- Just making improvements on the shop floor
- Cutting head count

Stages of Lean



STABALIZATION



STANDARDIZATION




IMPROVEMENT

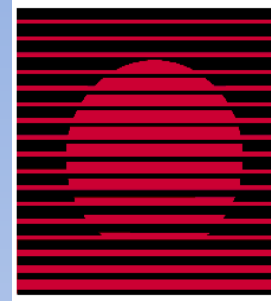
Where we are on the journey...

Remcon Plastics

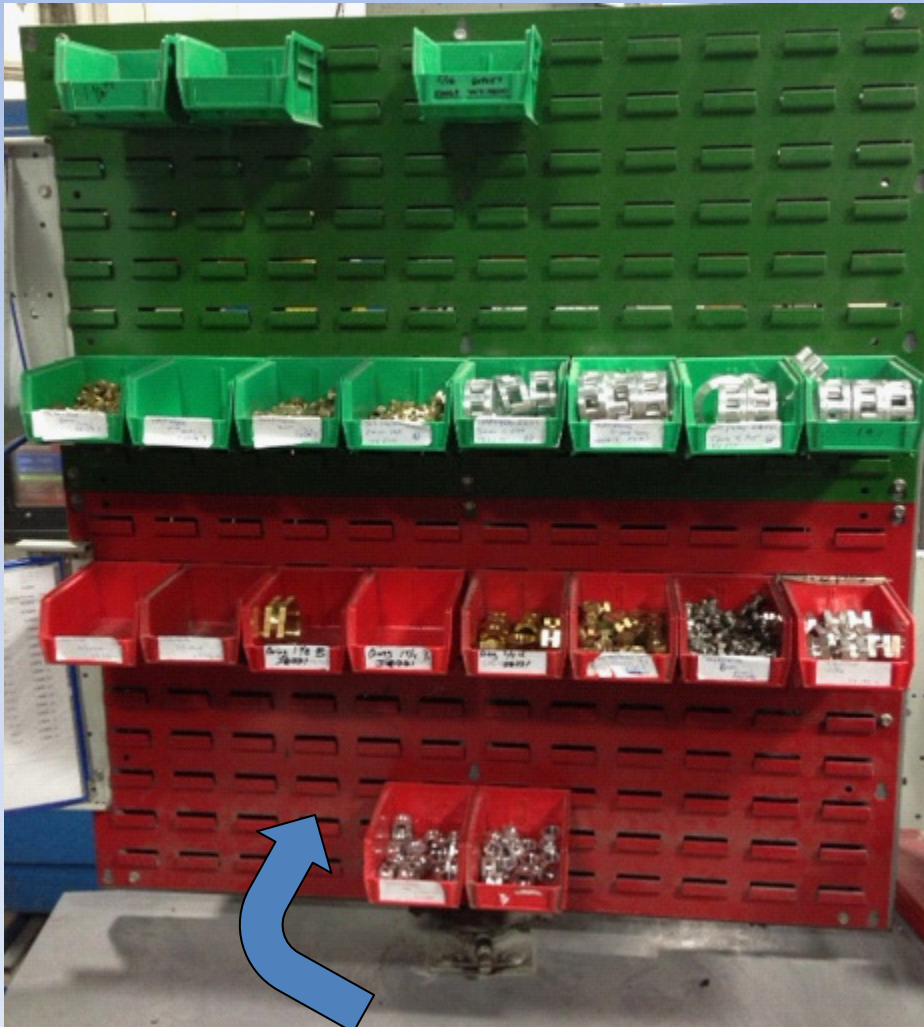
A3 Process

A3 Steps	PDCA Cycle
1. Background – Opportunity / Problem Statement	Plan
2. Current Condition	
3. Target Condition "The Goal"	
4. Analysis	
5. Countermeasures	
6. Implementation Plan	Do
7. Confirm Effectiveness / Follow Up Actions	 Check Act

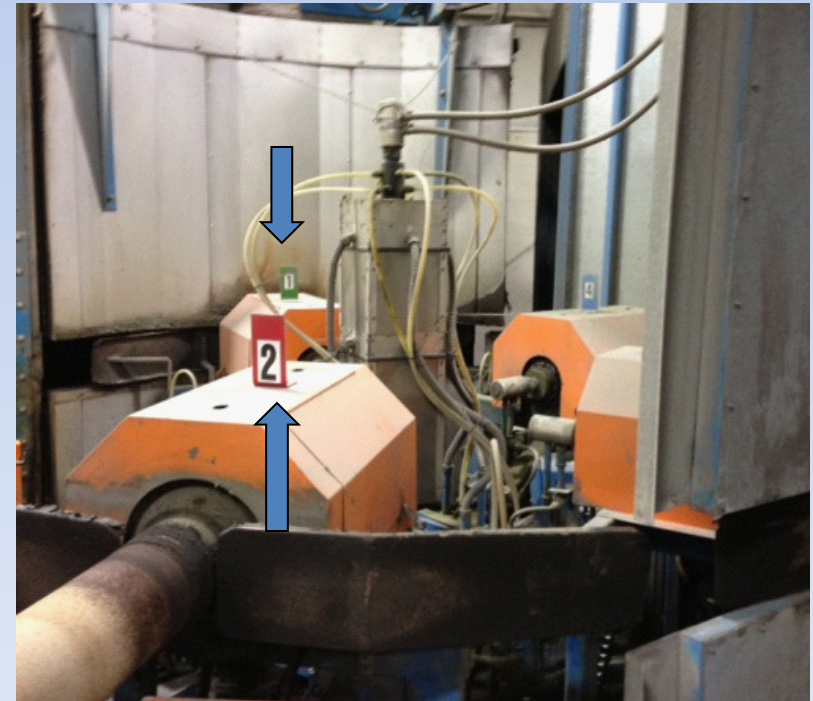
5S-Reduce errors



**SOLAR
PLASTICS,
INC.**



- Colors matched to the arms on machine
- Visual system



Waiting for Fork Trucks






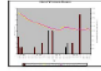






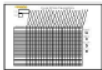











- **Carts instead fork trucks**
- **Smaller pallets made to save storage space**

Where are we going....

Remcon Plastics

Daily Management System

	SAFETY	QUALITY	COST	DELIVERY	PEOPLE
STATUS					
MAIN KPI					
SUB-KPI's	   	   	   	   	   

Lean Implementation Tips

- Use your Customer Expertise
 - Some will consult for free
- Must have Upper Management Support
- Get Production Leadership on Board
 - Take plant tours of facilities
 - Change in mindset
- Have a Captain and a Champion
 - Team Leader and Upper Management rep
- Set achievable milestones
 - Base Hits not Home Runs
- Meet and review regularly or lose momentum (weekly, bi-weekly)
- Keep it Simple
- Take Before and After Pictures
- Celebrate Small Wins
 - Pizza, gift cards, T-shirts

Group Discussion