

# **21<sup>st</sup> CENTURY MANUFACTURING NOT WITHOUT THE BASICS**

Since the early 70'S there has been a running joke about the latest fads in manufacturing and there acronyms. Throughout the years we have had hundreds of different fads, techniques, systems, processes, organizational structures presented to us as the solution to all the issues facing a manufacturing organization. We have purchased, implemented, modified, and failed trying to chase the one perfect system. There have been some outstanding success stories but unfortunately there have been far too may failures.

Throughout all of this change there remains one thing that has stayed constant and that is the improvement that can be made with a concentration on the manufacturing core basics and excellence in management.

These core competencies are:

- 1. Well trained workforce**
- 2. Well implemented systems that foster the basics**
- 3. Accurate Data Base**
- 4. Accurate Bill of Materials**
- 5. Accurate Routings**
- 6. Accurate Inventory**
- 7. Financials that are integrated into the business**
- 8. Basics workflows:**
  - Forecasting**
  - Master Production Scheduling**
  - Material Requirements Planning**
  - Inventory Management**
  - Shipping and Receiving Control**
  - Distribution Management**
  - Shop Floor Control**
  - Capacity Management**
  - Purchasing Management**

During this presentation we will discuss these basics and review what should be in place in any company before moving into "21<sup>st</sup> Century Manufacturing".

It becomes extremely important to bridge the gap from the basics to these new tools. We will discuss how to achieve the required level of excellence in the basics before moving to the new approaches for manufacturing.

In today's economy it is extremely important for companies to achieve excellence in the use of all the tools at their disposal. They need to be competitive and to achieve consistent bottom line profits.

This presentation will move from the "**BASICS OF THE PAST**" to what we believe are the "**NEW BASICS**":

- ERP
- Lean Manufacturing
- Lean Supply Chain Management
- Sales and Operations Planning
- Kanban
- VMI
- Demand Management
- Customer Relationship Management