How Presents Made by FactoryLogix Will Make Your Holiday Season 4.0 Special
Speakers

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Making The Holiday Season Special

We are only Human: The holidays are special, and so are we!

The Holiday Gift Factory: Manufacturing, but not as we knew it

FactoryLogix Presents: The Three Wise Features

Silent Nights: Families satisfied
Individuality & Differentiation:
• Every child has a different holiday wish
• Seasonal fun from gifts they will cherish
• Who can predict what will be requested?
• How can our seasonal gift factory be made ready?
Individually & Differentiation:

- Continues as we become adults
- We choose what we buy (mostly)
- Our “things” are a statement about us
- We drive industry demand patterns

A single style is not for everyone
The Trends That Humans Are Driving

The Changing Nature of Demand:

- Technology-driven competition
- An increased number of product variants
- Increased media-driven expectation
- Decreased product lifecycle
- Concern for the environment
- The transition towards products as a service
- The trend towards quality vs. quantity
- High-value collectables, bespoke

Treasured possessions, both
The Modern Manufacturing Conundrum:

- Legacy Business Model & Challenges:
  - “Mass-production” efficiency of 90%
  - Increased mix with no penalties
  - Provide “tailored” products for customers if possible

- Trending Challenges:
  - “Random” changes in customer demand
  - Too many new product introductions
  - Too much complexity with variants
  - Production efficiency of 10% - 30%

Suits you Sir!
The Three Wise Features: #1

Do Whatever It Takes, Through Automation:

- Ultimate Flexibility for Any Situation
  - Integrated into the operation, digitally

- Engineer To Order:
  - On-demand routing for immediate jobs

- Configure To Order:
  - Easy choice of variants on demand

- Automate To Order:
  - Dynamic instructions against bespoke specification

Once Set In Motion, Predictable
The Three Wise Features: #1 – Engineer to Order

Configurability and Flexibility

• Utilize extensive native CAD handling capability to improve the use of customer and R&D design data.

• Automatically scan data sets, recognize data groups and present findings to engineers.

• Engineering is then able to choose optimum data to use for a given project, improving efficiency and quality.
Make Light Work of Product Configuration

• Engineers work with single Bill of Materials covering all possible part numbers, or options.
• Customers can choose individual options to configure the bike to their chosen requirements.
• Option codes can be grouped to form fixed value variants speeding up and simplifying the process for customers when ordering.
• Customers can mix variants and options codes for semi bespoke configuration.
• Historically engineering work was done by hand, this is now automated reducing time take and errors.
FactoryLogix allows the user to define attributes that should be matched across orders. This groups works orders together by commonality, reducing the material change over and machine/process setting requirements. This in turn greatly improves operational capacity and efficiency.

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By Adaptive In Your Planning:
• Be flexible to response to opportunity, avoid issues
• Manage additions and changes without waste
• Ensure that changes are executed automatically

What Does Adaptive Planning Do?
• Show that you have all resources will be available
• Show that all dependencies will be in place
• See the effect of any change before commitment

Make sure that every Elf is adding value!
The Three Wise Features: #2 – Adaptive Planning

Near-Term Scheduling Environment

- Factory Awareness
  - Material Location & Level
  - Workorder Due Dates
  - Asset/ Job Real-Time Status

- Interactive Visualizer

- Shortage Detect & Resolution
- Job Complete Prediction
- Conflict Detection
- Subassembly & Dependency Visualization

- Drives Lean Materials Management

Decision-Making Engine

FactoryLogix™
The Three Wise Features: #2 – Adaptive Planning

Software Demo
• Tactical planning environment
• Asset, material schedule conflict resolution
The Three Wise Features: #3

Leaning On Your Materials:
• The lack of just one material brings disappointment
• Material waste is a significant cost
• Never stop an Elf through lack of material

How Does it Work? – Just In Time Lean Materials
• Account for every piece of material
• Manage storage & logistics
• Only bring materials to line when needed
• Exact traceability to drive safety
The Three Wise Features: #3 Lean Material Flow
FactoryLogix Is Not Just For the Holidays:

- Can you imagine making all the world’s holiday gifts?
- Children can, they believe that it happens

Fulfilling Expectations:

- Manufacturing success comes from customer satisfaction
- Industry trends need to be reacted to
- Tools need to be in place to do whatever it takes…
- … automatically!