



# IPRO 313

Sales and Engineering Information  
Systems Automation for Illinois  
Manufacturers

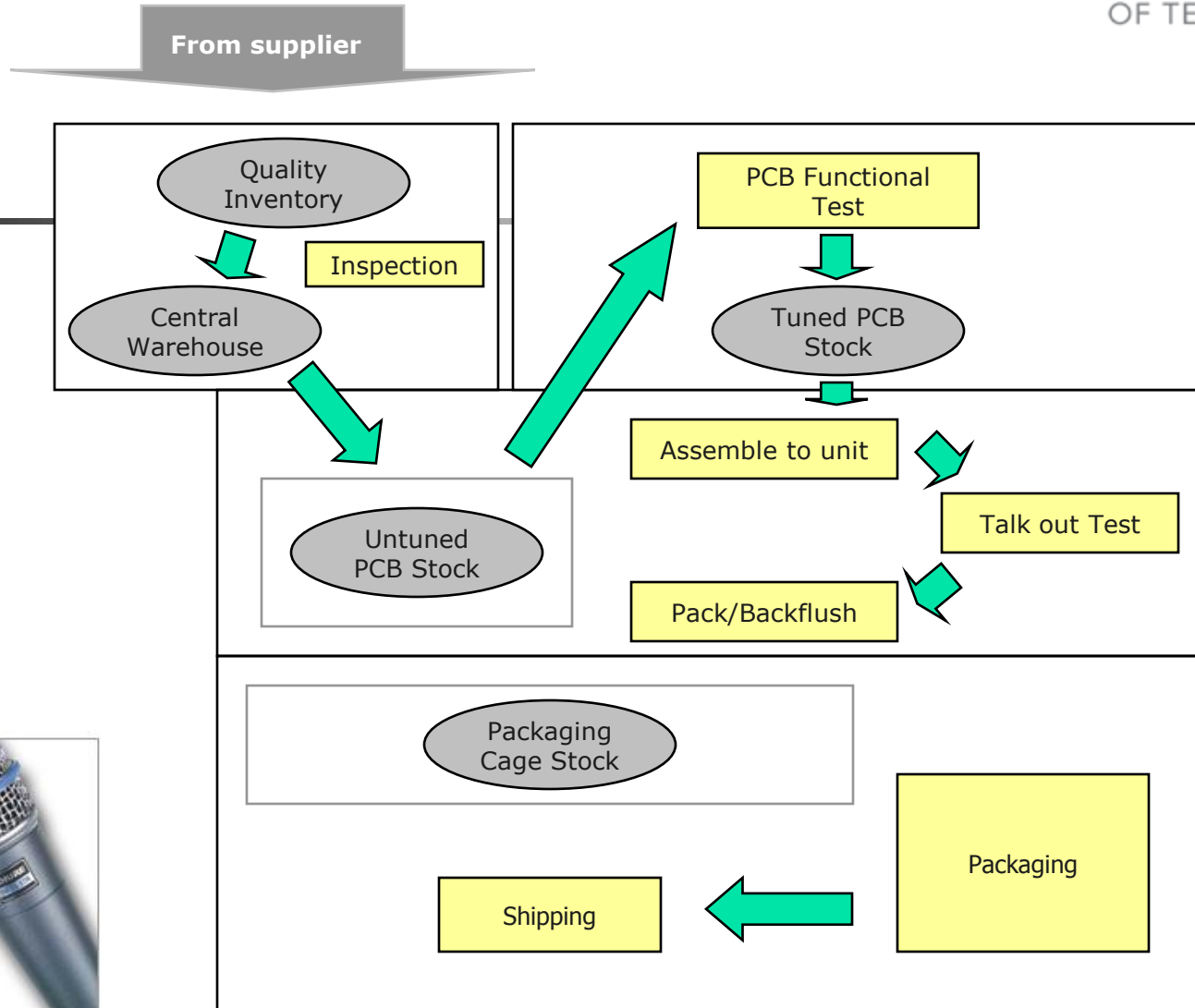


# Shure, Inc.

- Global leader in audio electronics
- Founded in 1925 by Sidney N. Shure
- Many famous customers



**SHURE**<sup>®</sup>



# Current Issues

- Inventory Control
- Shipping and Receiving
- Error Proofing
- First In First Out - FIFO





# FIFO Purpose

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- Save space
- Increase efficiency
- Work with large variety of products
- Work with lots of orders
- Enable tracking and dating system

# FIFO Rack Layout

Racks containing all other Items  
(Existing Racks or new Flow  
Racks)

**FIFO  
Rack**

Packaging Line  
(Close to FIFO rack)



# FIFO Rack

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- More Efficient
- Compatible with all types of products
- Cheap and seamless integration to existing system
- Minimal investment in new storage areas required
- Decreases time in tracking orders
- Measures up to goals

# Benefits of Barcoding

- Cost effective
- Decrease paperwork
- Serialization to improve inventory control
- Reduces errors
- Post finished goods







# Steps Taken

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- Visited Shure, Inc
- Research products for bar-coding
- Research Value Added Resellers (VARs)
- Benchmarking



# Obstacles Encounters

- Limited feedback from Shure
- Little previous exposure



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# Recommendations

- Integrate a bar-code system
- Implement FIFO rack
- Initially create a small-scale model
- Serialize each product
- Develop separate PCB database
- Determine support requirements

