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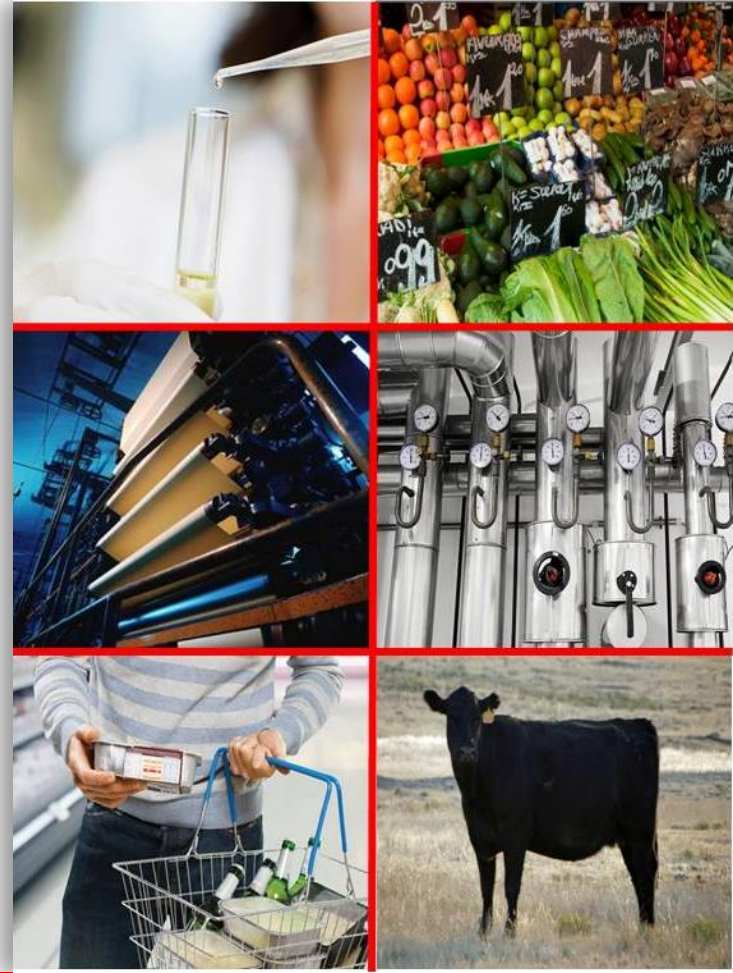
The JD Edwards EnterpriseOne Solution for Process Manufacturers



Process Manufacturing

Process Manufacturing

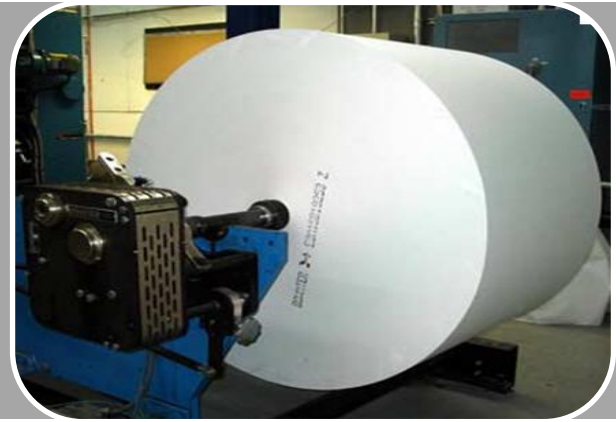
- Produce multiple items from one process
- Dependent operations that work together continuously
- Items produced in batches or with a continuous process
- Quantities of ingredients can vary according to their grade or potency



Process Manufacturing

What Industries use Process Manufacturing?

- Life Science
- Foods and Beverages
- Raw Materials such as Lumber, Metals, and Fluids



Process Manufacturing Management

- Part of Mixed Mode Manufacturing
 - Discrete
 - **Process**
 - Lean
 - Repetitive
- Common Inventory and Item Master
- Supports
 - Co/By Products
 - Active Ingredients/Effective Dates
 - Dual UOM



Process Manufacturing

Requirements

Process Manufacturers encounter a number of issues in relation to both end products and ingredients that are uncommon or non-existent in other industries. Process Manufacturers have the need:

- To manage multiple end products and by-products produced from the process
- To manage dual units of measure (catch weight)
- To manage batch dates (perishable items)
- To identify the source of ingredients as well as the customers to which the end product has been sold
- To use ingredients at different potencies and grades

Multiple End Products & By-Products

- Co-Products and By-Products identify the items that result from the process, whether they are planned or unplanned
- Co-Products are:
 - Manufactured together or sequentially because of product or process similarities
 - The end items that are created from the process
- By-Products are materials for which production is incidental to the process, but may have value



Dual UOM (Catch Weight)

- Provides flexibility for businesses that require measurements in two units of measure where a standard conversion does not apply
- Provides precise records of quantities and actual weight of items received, consumed and shipped while pricing items based on actual weight.
- Provides ability to choose whether or not to cost orders based on the secondary quantity or the transaction quantity at the time of receipt.



Perishable Items

JD Edwards can Manage a Variety of Dates

Lot Availability Management where product and ingredients are subject to perishable date or some other 'use-by' date. The JD Edwards solution automatically controls product availability based on effective dates.

Shelf Life Days	Days that an item can remain in inventory before it expires
Best Before Days	Days that an item can remain in inventory before it should be consumed
Sell by Days	Days that an item can remain in inventory before it should be sold
Manufacturing Effective Dates	Days that an item must remain in inventory before it is considered available for sales and manufacturing commitments
Purchasing Effective Dates	Days after a purchased item is received that a lot becomes available
User Defined Lot Dates	Lot date information for user defined purposes.

Lot Trace/Track

- Vital to corporations manufacturing and distributing food and beverages.
- In the case of contaminated or faulty product, corporations are able to trace end product back to its constituent parts / ingredients as well as tracking these inputs to other product lots.
- Provides the capability to identify the source of these inputs as well as the customers to which the end product has been sold.

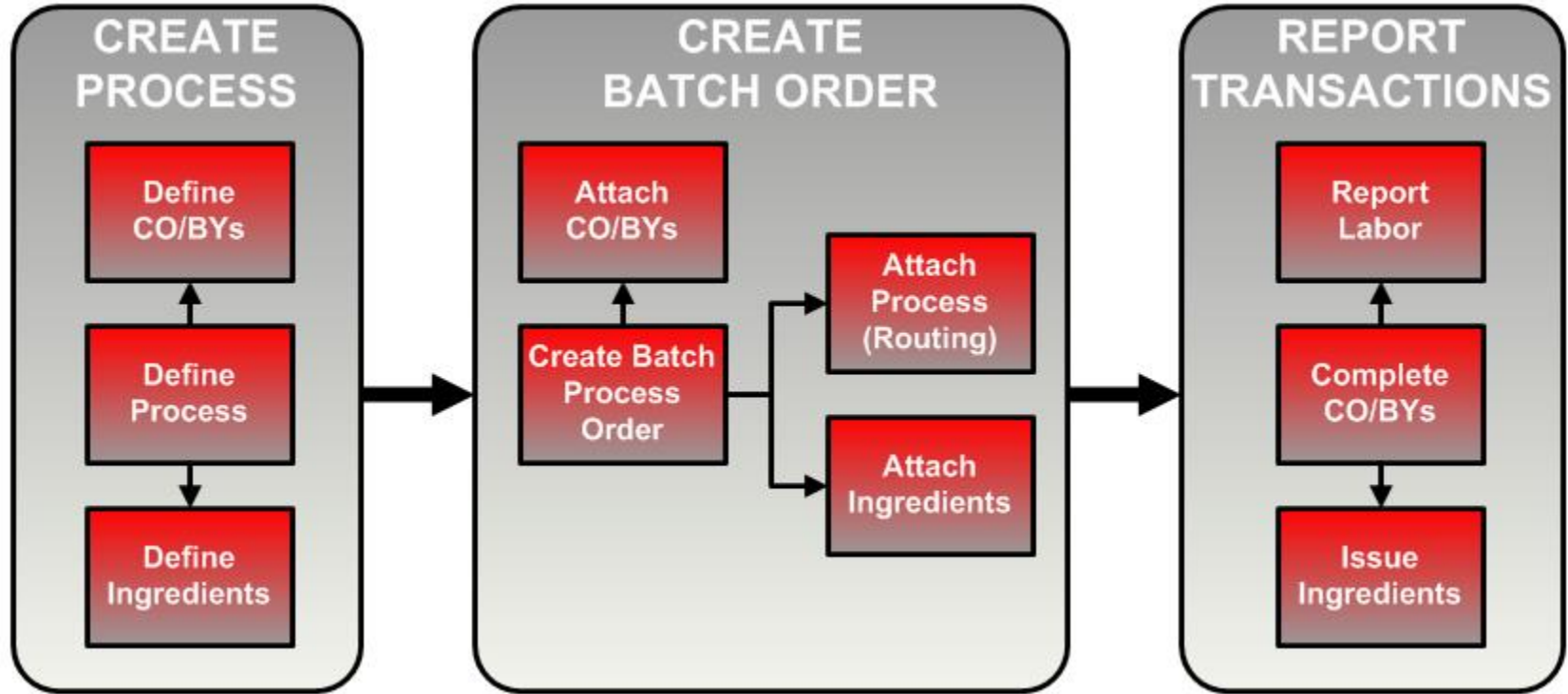


Grade and Potency

- Items are divided by their specific makeup or characteristics without changing item numbers
- Graded product needs to be managed in relation to both its ingredients and the processes it undergoes in order to maintain margins and maximize customer service as well as ensuring customer loyalty to the brand.
- Potency needs to be controlled where active ingredients drive the nature of the end product being produced.



Process Manufacturing Process Flow



Quality Management

Quality Management Objectives

- Provides the ability to create and maintain tests
- Allows grouping of tests
- Support customer-specific tests
- Allows for entry of test results at various stages of purchasing, sales and manufacturing functions
- Offer lot selection capability during Sales Order Entry based on test results



Quality Management Objectives

- Provides a Certificate of Analysis (COA)
- Provides a lot tracing capability for test results
- Tracks and displays nonconforming product
- Allows entry of freeform text throughout the process
- Uploads test results from other systems via a batch test entry program

Test Revisions - Edit Test Definition

Form Tools

Test ID: PT-01 Branch/Plant: M30

Description: Bottle pressure test Status: Active/Approved

Effective From: 01/01/1998 Thru: 12/31/2042

Definition Result Ranges Descriptions

Definition

Test Type: Required

Display/Evaluate Test: All Samples

Print Test: All Samples Print Text

Sample Information

Number of Samples: 1

Sample Percentage:

Sample Size: 1

Sample Size UOM: BT

Accept Quantity: 1

Accept Percentage:

Blend Management

Lab:

Sample Method: .

Consolidation: Non-Cumulative

Sample Container:

Closure: .

Test Result Name:

Copy Test Result Ranges

Quality Management Basics

Entering Test Results



- Purchase Order Receipts
- Receipt Routing (PO & MFG)
- Load & Delivery/Ship Confirm
- Completions (WO and Rates)
- Super Backflush
- QM Menu Selection

Batch Test Result Entry

- Separate Input File
- Standard Test Evaluation
- Proof or Final Mode
- Exception Report




Sales Order Entry



- Compare available lots against customer preferences
- Tested Lot Search
- Test Results Inquiry

Quality Management Basics

Certificate of Analysis

- 
- Separate extract and print programs
 - Automatic Print from:
 - Ship Confirm
 - Load and Delivery Confirm
 - Test Results Revisions
 - Data written to a file for custom COA
 - 'Linked Lots' capability
 - Ability to retrieve customer preference

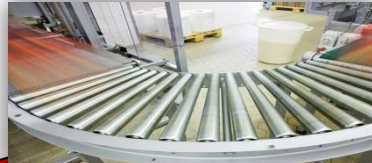
Additional Features

- 
- Test Where-Used Inquiry
 - Test Results Workbench
 - Tested Lot Search – Process Check
 - Non-conforming Product
 - Trace Test Result

JD Edwards Supply Chain Solution for Process Manufacturers



Quality



Manufacturing



Transportation



Warehouse



Supplier Contracts



Supplier



Consumer

ORACLE



Hardware and Software

ORACLE®

Engineered to Work Together

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