

eVSM Mix Processing VSM Application



Mix Processing VSM is part of the **eVSM Mix** edition and provides the tools needed to value stream map and improve MIXED MODEL production environments for plant level mapping of chemicals or food processing.



Standard Variables



Design Macro Shapes



Built-in Equations



Built-in Charts

Easy

Applications built on the MIX engine remove the 'averaging' of products, demand, activity times, and routing that make many mixed model maps difficult to create and of limited value. The benefits of the MIX engine can be summarized as:

Speed

- Less work to create the VSM and update it
- Avoid creating separate VSM's for products

Comprehension

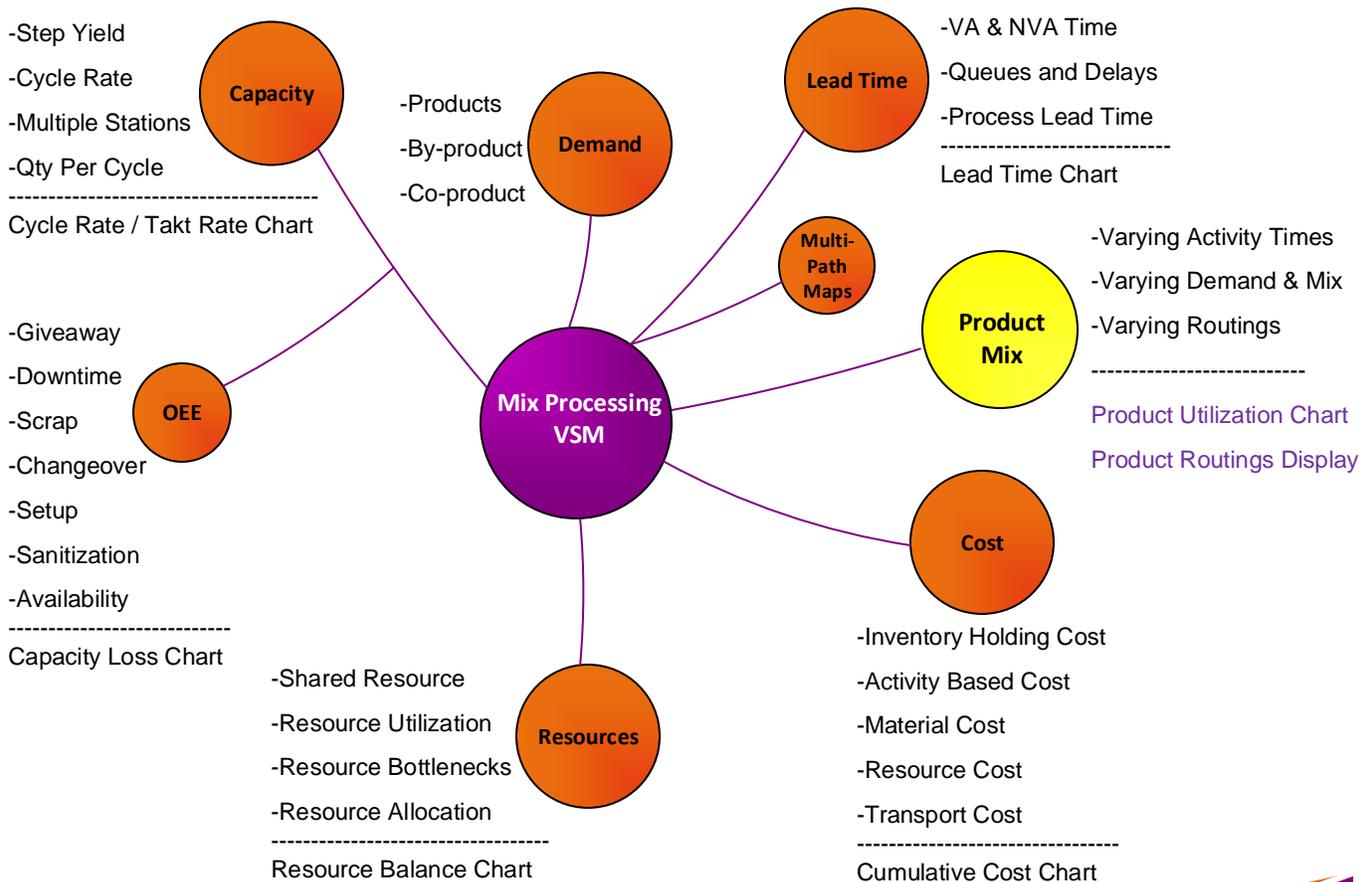
- Make it easy to SEE how products are made
- SEE the individual product demands and activity times

Insight

- Visualize the key metrics
- Choose the best improvements

Fast

The technical concepts addressed are shown below:



Focused



Mix Processing VSM Application – Example Map

Local Quantities

Quantities at each activity can be measured in local units most easily

Multiple Routes

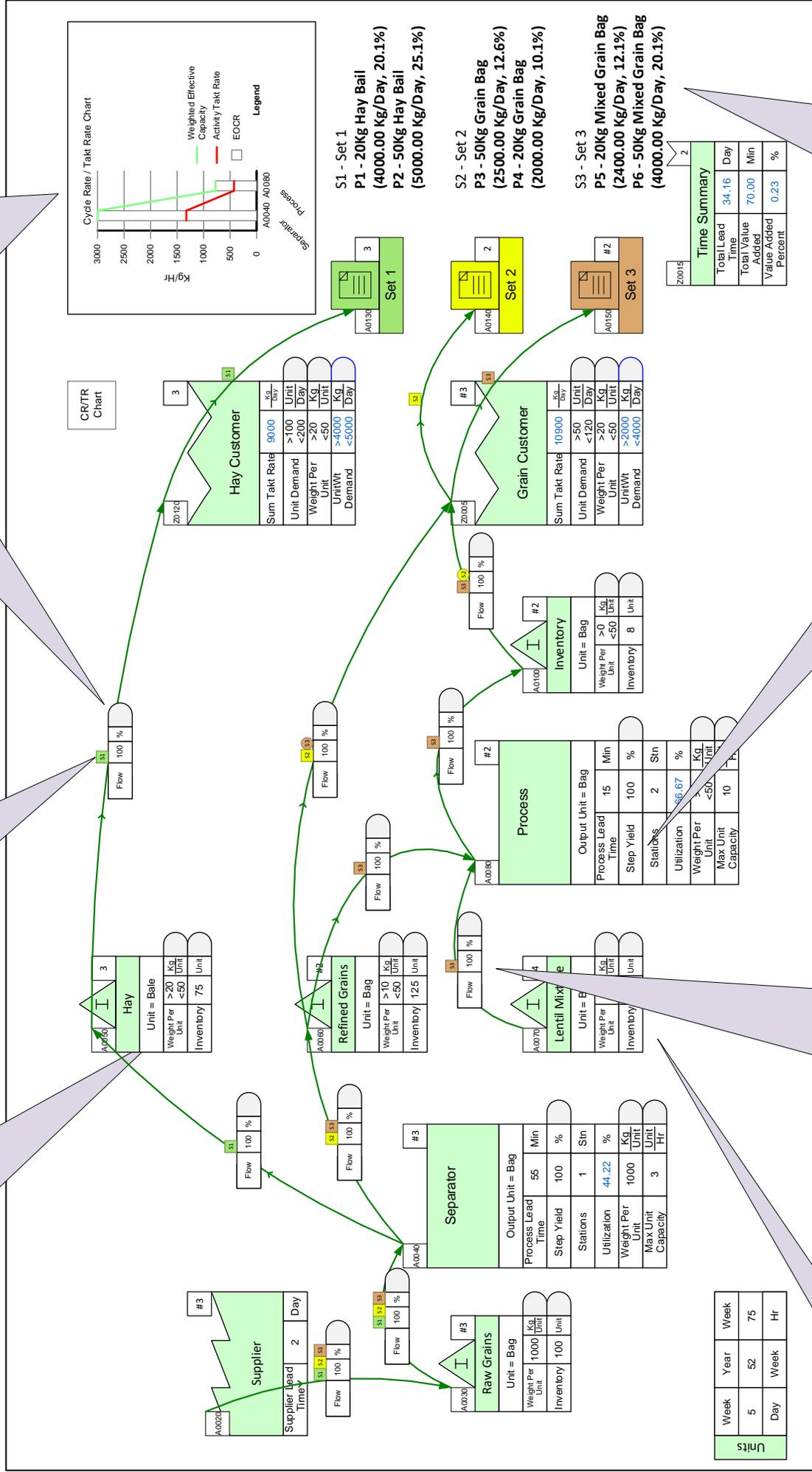
Map multiple routes for multiple products

Separation

Output from an activity can be multiple materials by weight percent

Cycle Time/Takt Rate

Do analysis on Cycle Times and Takt Rates to find bottle necks and capacity issues



Byproducts from the value stream can be mapped in addition

Byproducts

Sequence arrows and a weight balance calculation connects customer demand(s) to required production in local quantities at any activity

Weight Balance

Activities have a step yield measure to balance input and output weight

Step Yield

Map multiple products and routes on the same model

Multiple Products