



Change Management

Incorporate design and specification updates by automatically identifying impact and making mass changes.

4 Key Elements to Better Change Management

► Most Common Challenges

- For most companies, when a part revision is updated the engineers must physically locate the affected jobs in the shop and manually change or replace the plans.
- Most ERP/MES systems do not have a viable method to list all specs by operation. Thus, there is no easy way to determine all parts impacted by a new revision to a customer specification.
- The engineer must analyze which jobs are affected by the change, and determine if open jobs are affected or are past the point where the change can be implemented.
- The ERP/MES systems do not track the detailed configurations such as actual spec revisions used to manufacture any given lot/serial number.

► Solution Requirements

- The system should identify all open jobs in progress impacted by a change in customer requirements, and easily determine which jobs need to be revised to implement the change.
- The system should provide mass change ability that will allow the engineer to select which jobs to modify with the change, and then automatically incorporate the changes.
- The system should maintain as-built configuration defining actual specifications and revisions used to manufacture each lot/serial number.

► DISCUS ENG Approach

- DISCUS ENG provides a Bill of Documents that defines all specs used in the manufacture of the part. Requirements from these documents may be flowed down to specific operations.
- ENG provides where-used reports that define each job with open operations that reference the updated document.
- ENG provides mass change functionality that enables the engineer to implement changes on all open relevant jobs from this list.
- All changes are reflected in the plans and jobs are become immediately available to the operator using the digital work instructions.

► ENG Benefits

- Reduces the cycle time required to implement a change by providing computer assistance for determining parts, jobs, and operations that are impacted.
- Improves yield by identifying specific configuration histories used to manufacture a given serial/lot of parts; And prevent further work on jobs where a change must be implemented.
- Reduces engineering labor by enabling the rapid determination of impacts as well as by providing computerized incorporation of those changes.

Check out the other Engineering Functions DISCUS ENG can help with like :

Cost Estimating

Risk Management

Process Planning

Work Instructions

Performance Reporting