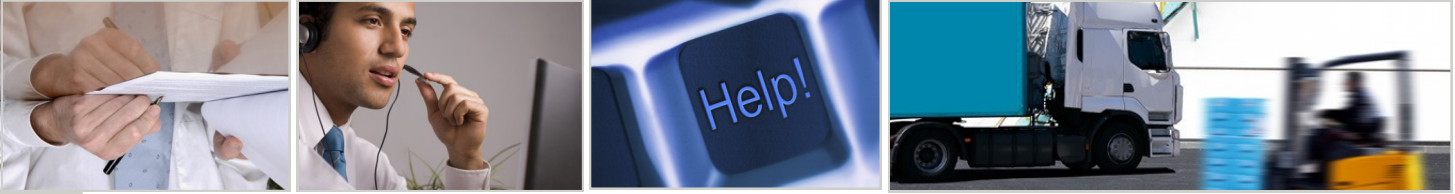


Business Need: Quality



Accommodate variable end-products which result from re-grading and unpredictable chemical processes

Using SYSPRO's co-products and manufacturing inspection functionality, you can easily cost and capture the receipt of multiple products of varying grades from jobs originally planned for single-grade items.

You can choose to apportion costs between components and co-products according to a percentage breakdown for the entire material, operation and sub contract costs, or you can define percentages against specific operations and materials.

SYSPRO's Work in Progress inspection system gives you the tools to record the inspection details of manufactured items and, depending on the results, select to receipt, scrap or rework quantities. Units in inspection are visible, but unavailable for use until accepted into stock. Within the inspection function, you can capture detailed records of counts, inspection, scrap, rework and stock receipts.

You can receipt inspection items as the original product to manufacture on the job, or as a different product or products, which is useful for end products of variable grade. Also, you can receipt items into a warehouse different than what was originally planned.

Ensure processed-manufactured products are manufactured to spec to minimize waste

Because products cannot be reduced back to their original state once in process, the cost of inaccuracy in design and production in the industry is high. SYSPRO's Engineering Change Control module provides the workflow tools to manage the product design process, thereby helping you to ensure that new and redesigned products pass through the relevant testing and approval processes before release.

In addition, SYSPRO provides flexible definitions for raw material requirements in the bill of materials. Accuracy in chemical product bills is facilitated through the option to define the percentage of each raw material required to make a chemical product. This ensures precision in quantities required for batches.

Chemical production plants are often highly automated with sophisticated measuring and testing systems designed to ensure quality of raw materials and work in progress, as well as high production yields. It is therefore desirable that any ERP production control and tracking system is able to integrate seamlessly with this process technology to exchange information and highlight issues at the relevant points. SYSPRO e.net solutions enables rapid development of secure and version-independent integration with such best-of-breed technology.

Ensure quality of raw materials and monitoring during the production process

Chemical production plants are often highly automated with sophisticated measuring and testing systems designed to ensure quality of raw materials and work in progress, as well as high production yields. It is therefore desirable that any ERP production control and tracking system is able to integrate seamlessly with this process technology to exchange information and highlight issues at the relevant points. SYSPRO e.net solutions enables rapid development of secure and version-independent integration with such best-of-breed technology.

SYSPRO enables you to implement continuous improvement by helping you to identify problems and points of waste as they happen. Raw materials and manufactured products in the industry often vary in grade and quality, so tracking and control is essential to reduce waste, scrap and defects. SYSPRO enables you to specify approved manufacturers for raw material supplies and supplier perform-

ance can easily be tracked using queries and reports. In addition, SYSPRO facilitates the tracking of materials from purchase through production to customer, thereby maximizing quality control and providing you with the tools to manage product recalls, should they occur.

You can flag purchased items as requiring inspection so that during receipting, detailed records of counts, inspection, scrap, rejects and returns is recorded. Units in inspection are visible, but unavailable for use until accepted into stock. Similarly, SYSPRO's Work in Progress inspection system provides the tools for you to inspect manufactured product quality and, depending on the results, select to receipt, scrap or rework quantities.

Manage product and raw material traceability

Whether a compliance-critical requirement, or an analysis tool for continuous improvement strategies, the traceability of products from material origins through manufacture to final destination, is a key system requirement in many industries.

SYSPRO facilitates the recording of traceability and quality data on materials and products from purchasing through inspection, manufacturing, manufacturing inspection, stocking and sales. The recording of expiry and shelf-life information is also facilitated and powerful queries enable both upward and downward searches by stock code, lot number and transaction type.

SYSPRO's lot traceability and serial tracking functionality afford full visibility to the origins, build and customer destination of products and batches, thereby providing the means to easily trace and analyze the source of defects, should they occur. In addition, SYSPRO's Engineering Change Control module enables complete management and traceability of changes to product designs, while the Return Merchandise Authority module provide consistent handling of product returns, as well as analysis data for improvement programs.

Manage product recalls

SYSPRO provides the capability for the secure storage and fast retrieval of reliable integrated information to enable quick extraction when a product or batch recall is necessary. Adherence to stringent EU/ MHRA /FDA/TGA regulations in terms of traceability and recall procedures in industries, such as food, pharmaceuticals and medical devices, is facilitated through SYSPRO's lot traceability and serial tracking features. Multimedia capabilities enable the linking of relevant documentation and graphics to products and material, while custom forms facilitate the capture of essential traceability data relevant to your industry.

SYSPRO includes the facilities to trace items from raw material origins to customer, and vice versa, as well as the ability to identify the processor of every transaction or data change associated with the item, via Electronic Signatures. Full upward and downward searches and extraction of the integrated traceability data is provided by SYSPRO's powerful queries, and standard or user-defined reports.

Using SYSPRO's powerful traceability features, you can confidently identify the source of defects and quality issues, and thus limit recalls to defective product only. This prevents the need for total product recall and the associated costs and reputation impact.