

DXC Process Industries Solutions

## DXC Extended Production Handling

Quality and control in campaign and mix pool production processes.

### Advantages

- Enable efficient planning, production, quality assurance and release processes for high-volume, continuous production flows
- Run continuous manufacturing in batch sizes that match your production equipment
- Control the release of licence plates that include goods from multiple mixes, batches and campaigns \*
- Automatically report bulk productions as finished when related finished or packed goods are reported as finished.

\* Using capabilities from the DXC Advanced Quality Control for Microsoft Dynamics 365 solution.

Working successfully with high volumes and continuous production flows takes precise and dynamic control of your planning, production, quality and release processes.

DXC Extended Production Handling works seamlessly with Microsoft Dynamics 365 to offer extended control of campaign and mix pool production capabilities including consolidated batch order handling, enhanced quality and release procedures and automatic "reporting as finished" across multiple production levels. The solution builds flexibility and control into your production processes from mix production to the final release of your finished goods.

### Enable more efficient campaign and mix pool production processes

With DXC Extended Production Handling, you can divide campaign and mix pool production into fixed or variable mix sizes — based on your production resources — so you can produce goods at a constant rate with minimal waste.

You can create individual production orders per mix, so that each mix can be associated with samples and quality orders for control, tracking and release. Each planned production order in a campaign is assigned a unique Mix Pool ID, to give insight into all the elements of a campaign.

### Enable flexible planning and firming of production orders

You can select different mixing principles to define which orders are generated when you run your Materials Requirement Planning (MRP). Multiple mixes can be represented by one or multiple planned orders, and by one or multiple orders after firming or manual creation.

## Features

- Definition of fixed or variable mix sizes based on your production capabilities
- Creation of individual production orders for each mix
- Automatic assignment of unique Mix Pool IDs for planned production orders of bulk or finished goods in a campaign
- Use of Mix Pool IDs in conjunction with the existing consolidated batch order capabilities in Microsoft Dynamics 365 Supply Chain Management
- Flexible planning and firming of production orders using multiple mixing principles
- Reporting as finished for several production levels at the same time
- Automatic reporting as finished directly from production or batch orders or from the Microsoft Dynamics 365 warehousing application
- Over- or under-reporting as finished on an item when necessary

## Stay in full control with extended quality and release processes

With DXC Extended Production Handling, you can define each mix as a separate production order and automatically assign the same Mix Pool ID to all the mixes that are needed to produce a particular bulk batch.

You can take quality samples for each mix and block the release of licence plates with materials from one or more mixes that fail. When combined with functionality in the DXC Advanced Quality Control solution, this enables automatic release of licence plates, even when individual licence plates include products from multiple mixes, batches or campaigns/mix pools.

## Run continuous production flows with automatic reporting as finished

Save time with automatic back-flushing of BOM consumption and "reporting as finished" for several production levels at the same time. When you report a top-level production as finished, the product transactions for other related

finished goods and bulk production orders in the mix pool can be executed automatically.

If you produce more finished goods than planned, the bulk product quantity can be automatically corrected based on an increased consumption estimate. If you need to report a negative quantity of finished goods, the automatic reporting as finished for the related bulk production will also be made with a corresponding negative quantity.

## DXC and Dynamics 365 — all you need from one experienced partner

DXC Technology is a leading, global Microsoft Dynamics 365 partner. With a strong ERP and CRM foundation, and deep IT capabilities, we offer expert help on everything from infrastructure, hosting, support and service to management and process consulting. Our experienced consultants can help you find solutions that address current challenges and enable future plans.

Learn more at [dxc.com](https://www.dxc.com)

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