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What´s new in Opcenter Execution Semiconductor 8.3

Opcenter Execution Semiconductor, which is part of Xcelerator, the comprehensive and integrated portfolio of software and services from Siemens Digital Industries Software, addresses your needs on a configurable, scalable and modular platform for production.

This release provides an enhanced operator user experience, with refactored web pages that use the command bar for icons that are free form on various pages. It refactors the surveillance pop-up to adopt the new search format, improving the user experience and functionality. Process control has been enhanced with sub workflow support for the future hold setup. Overall equipment effectiveness (OEE) visualization provides a strong dashboard for viewing and investigating your operation equipment efficiency.

Improving automated equipment support and data collection control
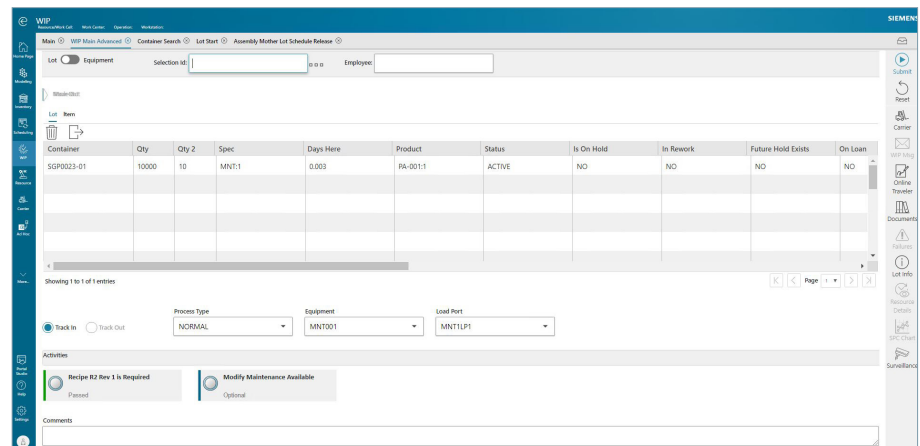
Benefits
- Improve automated equipment support
- Improve data collection control
- Enhance hexadecimal support for auto numbering
- Enable terminal-based line assignment
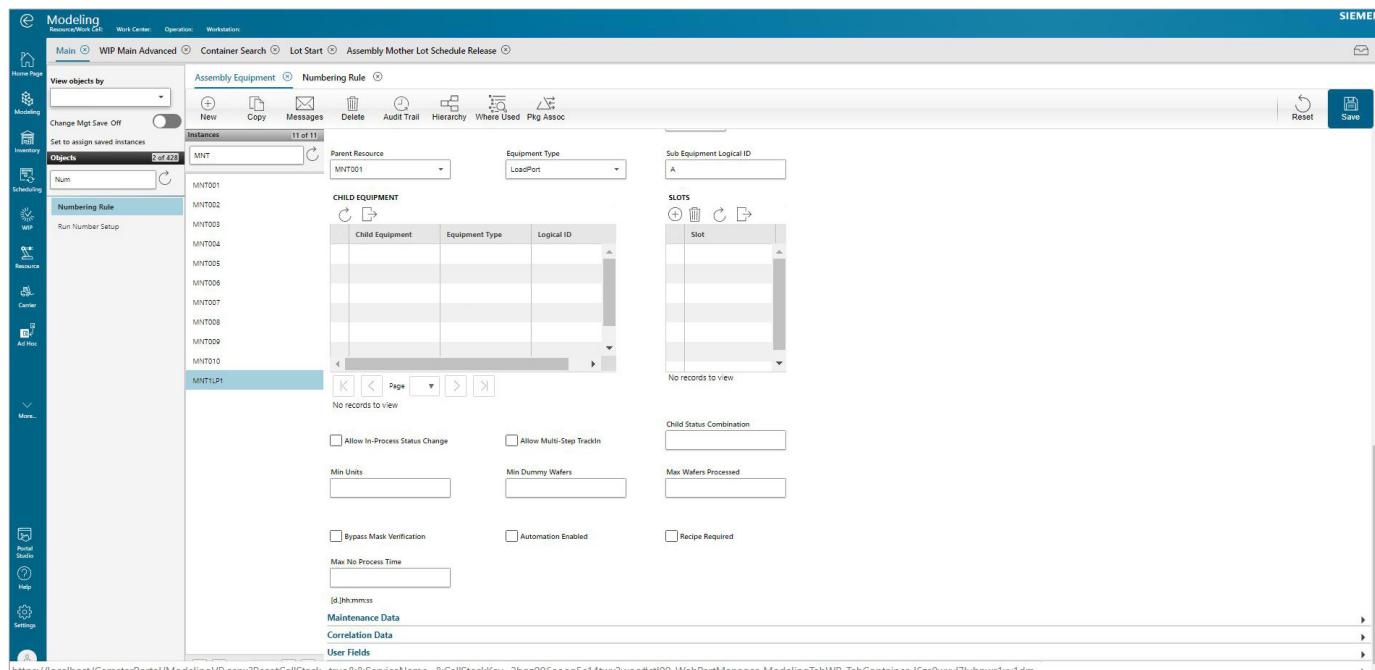- Resolve new or previously known problems

Summary
Opcenter™ Execution Semiconductor software (formerly known as Camstar™ Semiconductor suite) is a comprehensive manufacturing execution system (MES) that enables wafer fabrication factories and assembly and test sites to meet traceability requirements, control production and integrate the shop floor into their enterprise resource planning (ERP) system and extended enterprise.

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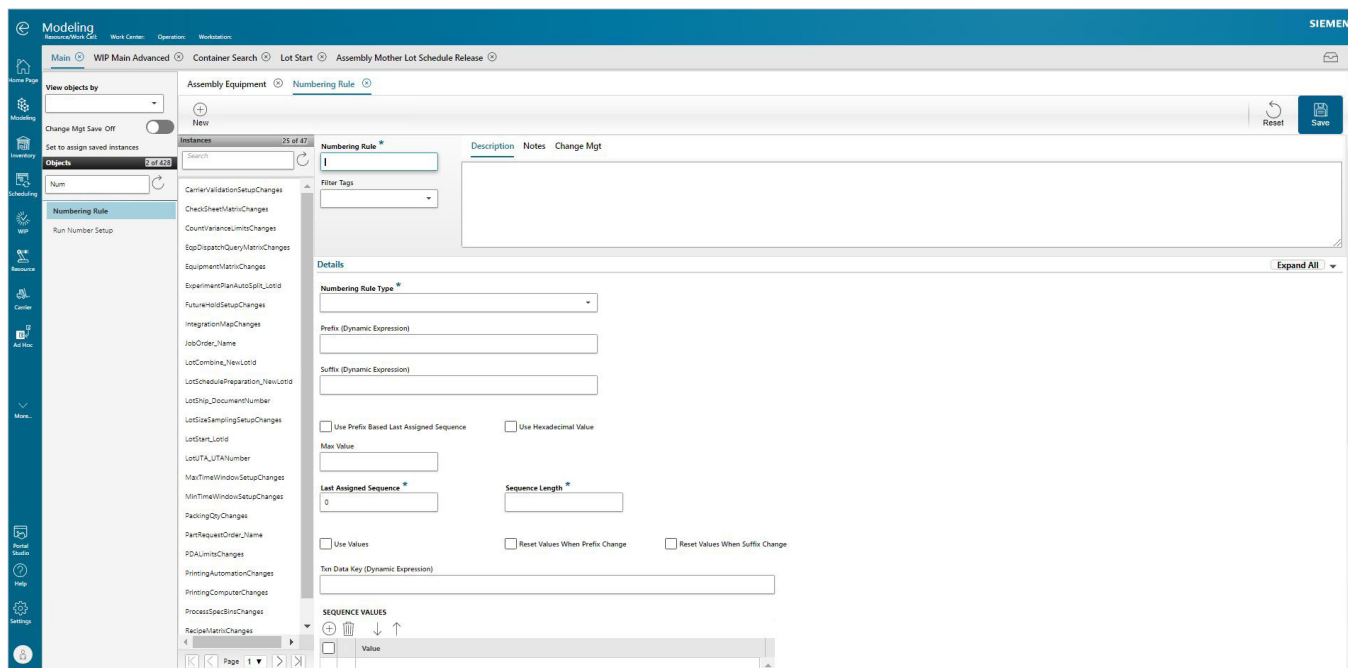# What´s new in Opcenter Execution Semiconductor 8.3

Features

Enhancements for automated equipment

- Recipe control for automated equipment

  - Provides the ability to identify when a piece of equipment is controlled through the automation layer (PAC) and control recipe verification configuration

  - Ability to configure a piece of equipment that is automated

  - Ability to configure a "recipe required," which requires a recipe that has been configured in modeling, ensuring the automation layer can set up and verify the proper recipe is in use

  - Ability to skip standard recipe verification performed by software when the automation layer is executing verification

  - Maintains current functionality but enhances equipment control for both automated and manual scenarios

- Child equipment selection for load ports

  - Provides the ability to configure load ports as child equipment

  - Provides the ability to select load ports when more than one exists on equipment to load lots at trackin transactions. Automatic selection of the load port occurs if only one exists

  - The selection of the load port is required in work-in-process (WIP) main advanced and equipment dispatch pages when configured

  - The load port information can be provided to the automation layer to start lot processing (trackin) to ensure the proper lot is selected for processing

  - Support automation scenarios

- Mask verification disable

  - Configurable option to disable mask verification when automation layer is verifying setup

  - Eliminates operator task when automation is performing the task

  - Supports equipment automation scenarios

Enhanced data collection control

- Grouped data collections

  - Provide ability to configure lot-based grouped WIP data collections when processing batch or grouping of lots at a spec or step

  - The sampled data collection will be shared for all lots processed within the grouped or batch of lots

  - Improves data collection process efficiency and aligns to special processing requirements

Additional enhancements

- Numbering rules enhancement

    - Extends numbering rules to support hexadecimal sequence numbers

    - Supports all transactions that currently support auto numbering

- Terminal-based line assignment

    - Can configure a terminal for line assignment specifying menu and user interface (UI) pages

    - Terminal level settings will override any employee setting for the duration of the session with the terminal

- Problem resolution fixes

    - For the list of problem resolutions (PRs) addressed, please see the release notes