

COPILOT® SYSTEM AND THE HUB® SOFTWARE RELEASE NOTES

Build No. v11.1.0



AP32C APPLICATION PROCESSOR USERS:

The AP32C application processor is not supported for CoPilot system and The Hub software releases beyond version 10.4.0. Do not apply system updates beyond version 10.4.0 if using an AP32C; failure to comply will result in an unusable system.

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Overview

This release of The Hub software and CoPilot system features the ability to set individual alarm limits for machine and mold process values, and bug fixes for both systems.

CoPilot System: New Features

Individual Warning Limits

Users can now set individual warning limits for machine and mold process values. The warning limits are visible on the Summary Graph, and the Cycle Graph Machine Sequence States Graph now displays the Process Warning output sequence.

Alarm Settings

Users can now set individual warning limits for machine and mold process values. Alarm limits must be set for a process value in order for warning limits to be assigned to a process value.

Summary Graph

The Summary Graph now features a Limits Layers menu, where users can now select whether to view warning and/or alarm limits along the summary graph trends, along with warning and/or alarm limit values when the cursor is selected.

Cycle Graph: Machine Sequence States

Users can add and view the Process Warning output sequence on the Cycle Graph Machine Sequence States graph.

CoPilot System: Bug Fixes

Summary Graph Time Range During Long Cycles

When a system was running using a long cycle time (three or more minutes), the Summary Graph time scale automatically adjusted to include future time and causing current trend lines to be shifted off center.

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The Hub Software: New Features

Individual Warning Limits

Individual warning limits for machine and mold process values are visible on the Trend Report: Summary Graph, and the Trend Report: Cycle Graph Machine Sequence States Graph now displays the Process Warning output sequence.

Trend Report: Summary Graph

The Trend Report: Summary Graph now features a Limits Layers menu, where users can now select whether to view warning and/or alarm limits along the summary graph trends, along with warning and/or alarm limit values when the cursor is selected.

Trend Report: Cycle Graph Machine Sequence States

Users can view the Process Warning output sequence on the Trend Report: Cycle Graph Machine Sequence States graph.

The Hub Software: Improvements

Process Monitoring Dashboard Tables

The Hub for Process Monitoring Dashboard tables have been re-arranged.

Job Report Statistics

Permissions

The Hub software now features updated permissions for job report statistics, including default “read/view” settings for all roles (including Anonymous), and “read/view” and “edit” settings for Quality Engineer and Process Engineer roles.

Nominal Spec Limits

Users can now set nominal spec limits for values selected on the statistics report.

Coefficient of Variation and Expected Variation

Users can now view “coefficient of variation” and “expected variation” as a percent (%) when a cavity pressure mold value is selected.

Process Capability Index (Cpk) and Process Performance Index (Ppk) Values

The Ppk and Cpk values no longer have a percent (%) when a user selects values to view statistics.

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The Hub Software: Bug Fixes

False Cycle Time Exceeded

When a job was running, the dashboard displayed that cycle time was exceeded for every cycle except one, even though the cycle time on the CoPilot system was not actually exceeded.

Pack Rate Not Viewable on Summary Graph

When a user viewed a job on a CoPilot system Summary Graph, the user was able to view pack rate; when a user viewed the same job on The Hub Summary Graph, the user was unable to view pack rate.