Overview

CoPilot™ now features settings for fast fill times, archiving records, an improved Alarm Settings widget, improvements to cycle graph scaling, and an updated temperature control unit (TCU) option, along with bug fixes for multiple features including, but not limited to, sensor connector plates, languages, and archiving records.

New Features

Fast Fill Time

The CoPilot system now features support for fast fill times below 0.1 s so that all summary data related to fill time is available to users (not supported for valve gate users).

Alarm Settings

The Alarm Settings widget now features locked column headings that allow users to scroll through alarms settings while still viewing the column headings.

Temperature Control Unit

The Process Settings page includes an updated TCU selection option for ease of use.

Archiving Records

Machine, Mold, Process, Template, Part/Part Parent/Part Variant, and Material records can now be archived. Archived records will not be displayed on connected CoPilot systems, but can be unarchived from a connected The Hub software.

- When a job is started using an archived cycle template, the template will be removed; if the CoPilot system fails to remove the template, an error message will be displayed to the user.
- When a duplicate machine, mold, or process name is loaded on a CoPilot system after being imported on The Hub sofware, the original and all duplicate settings, assignments, inputs, outputs, and options are preserved using a revision date next to the name.

Cycle Graph

When using the Cycle Graph, if the cavity pressure peak is less than 35% of the peak injection pressure, the cavity pressure will be scaled in reference to the injection pressure to improve usability.

Users can now select cm^3/min for the display units of measurement for stroke volume flow rate.

Fixed Issues

Piezoelectric and Strain Gage Sensor Adapter Plates

Users could not assign connected piezoelectric (PZ-4 or PZ-8) and strain gage (SG-8) sensor connector plates with ID numbers greater than 2XXXXXXXXXX during setup.

When viewing Mold Setup, the slide for entering the Mold Plate(s) ID was displayed even if SG-8 or PZ-8 plates were not in use.

SmartFlow® Tracer®VM Flowmeters

SmartFlow TracerVM Flowmeters were not displaying as an assignable sensor on the Machine input page.

Languages

When viewing the CoPilot system software in a language other than English, the software was displayed in English instead of the selected language for multiple items across multiple pages.

Archiving Records

When a user archived a template record on The Hub® software, the template was still available on the CoPilot system.

User Security

When a user entered an invalid username and/or password to log in to the CoPilot system, the login page would highlight the incorrect login information in green instead of red to indicate an error.

Raw Data Viewer

When a user was viewing location and type information on the Raw Data Viewer, both variables were displaying the same value.

When viewing the Raw Data Viewer, the unit, scaled value, cavity, and ID columns were not sorting correctly.

Cycle Graph

When a user set up screw stroke volume, metric volumetric units of measurement were not available for display.

When a user assigned screw stroke velocity to an analog input, the units of measurement were incorrectly displayed on the Cycle Graph.

Summary Graph

When a user selected cavity-related variables to add to the Summary Graph, some variables were available with no cavity sensors.

System Update

When the system was updated using a UPD, a 500 Error would occur on the console.

Known Issues

Fast Fill Time

When the running a job on a CoPilot system that is disconnected from The Hub software, any attempts to activate fast fill time will result in an error and the inability to activate fast fill time. Always activate fast fill time from a CoPilot system that is connected to The Hub software.

Archiving Records

When multiple machines or molds with the same sensor assignments and data sets are created on a connected CoPilot system, and the most recent machine or mold is archived from The Hub software, the CoPilot system will not automatically load the related machine or mold upon detection of the sensors. The user must select the desired machine or mold from the dropdown list until this issue is resolved.