

Epilog Fusion Pro/Edge Firmware v 1.0.5.0 (05/13/2022)

Firmware Release Notes:

Note: All machines cannot be downgraded below 1.0.5.0 after upgrading to this version.

**New Features/Enhancements:**

* Improve network settings functionality and usability.
* Improve job tracing algorithms and control for all machines.
* Add continue button to critical error messages.
* Update translations.
* Add ability to toggle visibility of mouse cursor.
* Users can now set a machine name during the new user setup wizard for use in autodiscovery.
* Add FiltraBox to filter selections.
* Add a pop-up error for some fiber laser alarm codes.
* Improve drive error diagnostic information.
* Improve raster performance and fixed issues with certain jobs.
* Add a pop-up to notify a failure in communicating with the laser.

**Bug Fixes**

* Fix jogging limit checks.
* Fix missing config items by getting better default values.
* Fix not being able to disable variable ramps.
* Fix rare table homing issue.
* Fix machines getting stuck on Goto point when the move is canceled before it completes.
* Stack light on Pro 24s and Pro36s is now on whenever the gantry is moving. Homing, jogging, and tracing were added.
* Rulers no longer interfere with the plunger on auto focus commands from park position on model 17000 machines.
* Using Pre-Warm instead of Cold Start in settings.
* Fix default network connection machines ship with.
* Change the bottom bed margin to zero.
* Fix font visibility issue on fiber tab of diagnostics page.
* Fix dialog widths and word wrap to better support foreign languages.
* Fix issues with tracing on 3-jaw chuck rotaries.
* Fix tickle during idle for dual source model 16000 machines.
* Fix camera config file default.
* Fix guide laser state during alignment mode.
* Fix a bug where autodelete would sometimes not select the newest job after deleting a job.
* Don’t show joystick calibration after rebooting after programming peripherals on machines that have finished production, AKA have a serial number.
* Fix bug so that all job cycles see settings changed in the jobs list on a machine.
* Fix translations not being applied in some places.
* Fix a double click issue when setting the air assist state.
* Improve job list ordering logic.

**Known Issues**

* Touch screen can freeze.
  + LED 4 and LED 8 still blink.
  + Run/pause button works if job is selected otherwise “No Job Selected” message will appear.

**Epilog Confidential Only Fixes/updates**

* Add time-estimator/simulator to the build server and add RPC hooks.
* Add build environment setup instructions to embedded-repo.
* Add new Galvo to build system and deploy script.
* Start work on new Galvo; raster FIFO replacement, add to test bench, laser\_delays config item.
* Add more metadata to camera streams.
* Integrate time-estimator/simulator with software suite.
* Tune time-estimator/simulator for performance, stability, and accuracy.
* Add machine\_name config item.
* Refactor and improve log uploading for use across products.
* Add beginnings of auto-detect via mdns broadcasts.
* Fix synchronous RPC messages to fail elegantly if we’re already blocked on one.
* Refactor config\_append script for updates with better file checking and removing unnecessary machine types.
* Mouse cursor is now visible after the first machine reboot until shipping mode runs.
* Disable USB autosuspend by default for all devices.
* Add configurations and logic for new machine class, Epilog Makers.
* Add catches for trace errors.
* Adjust timing during camera resets to limit camera issues.
* Add a catch for failures connecting to RPC internally in Fusionproui.
* Fix referencing invalid settings models.
* Fix referencing invalid job file models which were causing rare UI crashes.
* Fix memory leaks on hall-sensor-monitor.
* Add more logging to camera calibration.
* Add explicit timeout to all network manager dbus calls.
* Add License page to document licenses of software used.
* Add support for new fiber laser type, JPT.
* Fix fiber laser sometimes briefly receiving the tickle signal.
* Fix showing job running dialog during tracing.
* Remove MDNS calls from the simulator.
* Add high DPI flag for simulator.
* General simulator build fixes and improvements.
* Fix stack overflow caused by air assist delays.
* Catch parked state in booter.
* Add system\_booted RPC to assist with data flow control.
* Improve nucleus state machine synchronization with proper motion flush.
* Specify carriage camera calibration circles diameter in inches to accommodate different lenses and cameras.
* Fix safety mode idle pipeline issue.
* Sign time estimator builds.
* To prevent garbage in MDNS broadcast, only read first line of machine serial number.
* Fix incorrectly disabled power supply diagnostics label for Pro48s.
* Fix unit conversion on the jog page.
* Fix limiting bezier control points that are off the page.
* Pre-share rotary job diameter as a fallback when user entered diameter isn’t valid.
* Only call sync system call on Linux builds.
* Fix fan speed control in diagnostics menu.
* Fix machine focus idle state on dual source 16k machines.
* Send rpc notification with config map on any change like we used to.
* Fix rotary update process when started before the machine finishes configuring on boot.
* Compute table resolution in the camera\_system instead of using depreciated value from machine\_config.
* Fix issues in how we call job-indexer from the Fusionproui.
* Discard duplicate Goto points in queue.
* Fix simulator build by defining NOMINMAX.
* Fix camera system build by moving FBS\_INCLUDE\_PATH to top level executable.
* Remove depreciated plunger x,y offset from settings tree.
* Add more test dialogs to the simulator.
* Create an update-y-bed-margin utility and call it during updates to zero out front-y-bed-margins.
* Fix order of operations error during boot messing up fresh SD boot processes.
* Fix zero power raster still lasing.
* Fix JSON formatting.
* Add missing machines to time-estimator/simulator.
* Fix the expanded settings tree hiding buttons.
* Fix machine-rpc compile error from missing default\_config locations.
* Disable new time estimator.
* Add missing demo jobs to machine build and simulator.