

Epilog Fusion Pro/Edge Firmware v 1.0.4.4 (01/05/2022)

Firmware Release Notes:

Note: Fusion Pro36, Pro24, and Edge 36 cannot be downgraded after upgrading to this version below 1.0.4.0.

**New Features/Enhancements:**

* Added Edge 36, Pro 36, and Pro 24 compatibility. Pro models have the additional features of:
	+ Stack light
	+ Air assist
	+ Faster X motor (120ips -> 160ips)
	+ Carriage camera
* Power and frequency can now be modified while the job is running depending on job type and laser type.
* Added dynamic raster ramps for improved raster speed
	+ Can be disabled in the settings menu

**Bug Fixes**

* Fixed issue where job details screen would be shown in certain cases even if there wasn’t a job
* Fixed issue with air assist not turning on for model 16000 Pros (1.0.4.1)
* Fixed issue with pause button responsiveness (1.0.4.1)
* Fixed issue where the tickle settings would get overwritten causing user to be unable to set custom tickle settings (1.0.4.2)
* Fixed issue where uncalibrated table could start with too large of a number resulting in the system not being able to correctly command the table until calibration (1.0.4.2)
* Updated translations with additional human translations (1.0.4.2)
* Fixed settings changing when a new job was printed. Power and frequency would change if a new job is sent while the current job is running. (1.0.4.2)
* Fixed issue where jobs sometimes wouldn’t show up when printed. Jobs can be force-rescanned by clicking on the job list button. (1.0.4.2)
* Fixed the demo job not coming up in during the unboxing wizard for the Pro24 and Edge36. (1.0.4.2)
* Fixed issue where the table home button in the settings tree view wouldn’t work. (1.0.4.2)
* Fixed issue with settings validation range when the system is in metric units. (1.0.4.2)
* Fixed issue where carriage camera calibration (Pro 24 and Pro 36) can generate an error: “Did not find enough circles.” (1.0.4.2)
* Add UI control element to disable and enable WiFi networking and associated module. (1.0.4.3)
* Fixed metric units validator adding too many decimal points causing validations to fail. (1.0.4.3)
* Improved raster power compensation. (1.0.4.3)

**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.
* ~~Printing a new job with different settings while a job is running may cause the settings of the currently running job to change. (Fixed in 1.0.4.2)~~

**Epilog Confidential Only Fixes/updates**

* Added simulator target
* Added job time estimation target
* Updated machine selection UI in setup wizard to use a list instead of buttons
* Added development json endpoint for RPC
* Unified shipping mode for all machine variants
* Updated RTX to 5.8.0
* Updated compiler to 6.16
* Fixed black camera preview with default
* Added mouse counting events for diagnostics on touchscreen’s becoming unresponsive.
* Changed del key to backspace
* Switched altera\_jbi to GPIO ioctl ABI to reduce FPGA programming time by half.
* Updated fiber laser configuration file to program fiber controller during update (1.0.4.1)
* Fixed default 3-jaw rotary home offsets during production bring-up (1.0.4.1)
* Fixed machine type not being changeable during setup (1.0.4.2)
* Fixed issue where the touch calibration button wouldn’t show up if the machine was in certain states (1.0.4.2)
* Added detailed camera logging for settings and buffer failures, and “no such device” errors. (1.0.4.3)
* Added system sync calls after modifying job data and config backups and restores (1.0.4.3)
* One machine in production running an 1.0.4.3 RC had issues with a rotary. All CAN node IDs were scrambled. Fixed by repeatedly pressing update to program all nodes. Failed a couple of times and then worked, fixing the machine for good. (1.0.4.3)
* Added support for JPT Lasers. (1.0.4.4)
* Fixed font visibility in fiber tab of diagnostics menu. (1.0.4.4)