

EasyCMM Configurator Software - Release Notes

Ver. 1.4.0	July 2025	Updated Release Notes
Ver. 1.3.2	December 2024	Updated Release Notes
Ver. 1.3.1.11	November 2024	Updated Release Notes
Ver. 1.3.0.5	September 2024	Updated Release Notes
Ver. 1.3.0.3	August 2024	Updated Release Notes
Ver. 1.3.0.1	August 2024	Updated Release Notes
Ver. 1.3.0.	May 2024	Updated Release Notes

The following is a log of all the enhancements and bug fixes that have been introduced with EasyCMM Configurator Software.

Version 1.4.0

New Features:

- EF130018: Support of maximize of main window is implemented
- EF130022: Joystick configuration page is revised
- EF130028: Probe Head page is revised
- EF130036: Mitutoyo interpolators page is revised
- EF130009: Mitutoyo tachometer tuning is revised
- EF130037: Motion Control software component is revised to improve internal functions run
- EF130038: Motion Control software component is revised to improve error handling
- EF130039: Motion Control software component is revised to improve logging system
- EF130040: Firmware update of motion controller internal boards is implemented via Ethernet communication with no need in JTAG
- EF130041: Backup implementation including all system components
- EF130047: Temperature configuration page is revised to support Hexagon and Mitutoyo calculation types
- EF130048: Firmware update page is revised to support system update in the field by remote
- EF130049: Enable / Disable protection is implemented
- EF130056: Installation is improved to include list of motion controller functions available to run from the Communication Terminal page
- EF130057: Move page is revised
- EF130058: Communication Terminal page is revised
- EF130059: Application configuration is revised
- EF130060: Acceleration page is revised to support all acceleration types
- EF130061: ZERO button is modified to support limit switches after successful homing
- EF130063: Software License support is implemented
- EF130064: Motion Control software component usage mechanism is revised to improve system stability
- EF130065: Internal motion controller firmware is updated to improve system stability
- EF130067: Motion Control software component is revised to improve external functions run
- EF130068: HSSB and internal motion controller firmwares are updated to support Renishaw SP25 and SP600 analog scanning probes
- EF130069: Internal motion controller and main board firmwares are updated to support Mitutoyo CMM type
- EF130071: Enable / Disable of single axis is implemented
- EF130072: Air brake configuration is implemented
- EF130073: Tachometer offset calculation algorithm is improved
- EF130075: The system powerup status is introduced to recognize powerup problems



EF130076:	LEDs support for System and PH10 Errors indication is implemented
EF130077:	GUI for the protection manipulation is implemented
EF130078:	Application is revised to use the new Motion Control software component
EF130079:	Internal motion controller firmware is revised to prevent wrong platform type selection
EF130080:	Internal motion controller firmware is revised to support beep by joystick when point is measured by touch using analog scanning probes
EF130081:	Hexagon probe head support is added
EF130082:	Hexagon interpolators page is revised
EF130083:	Option to change the ID address of the motion controller is added
EF130084:	The system status application area is revised
EF130085:	Restore from backup is implemented
EF130086:	Installation is improved to include list of CMM types with all the required parameters to be installed at the customer site
EF130090:	CNC / joystick operation button is removed from the application GUI
EF13009 :	HSSB configuration page is added
EF130092:	Motion controller parameters validation before save to the motion controller flash is added
EF150001:	Support of latest 3rd party libraries
EF150018:	Support of DLM firmware update
EF150019:	Unknown scan support
EB150023:	Improved system behavior for "probe not seated" PH10 error
EB150024:	Add of manual edit of joystick calibration values

Bug Fixes:

EB130029:	Joystick operation is fixed: <ul style="list-style-type: none">- zero position of the velocity knob should totally stop the machine moving- prevent the machine moving when the application is opened
EB130030:	Scale factor fix to support absolute factor value
EB130031:	Drive range combo fix to remove all repeated values
EB130032:	Fix of application behavior when the tachometer value is equal to zero
EB130033:	License field is fixed to include * when inserted
EB130034:	Joystick operation is fixed to support rotation of coordinate system in X-Y plane
EB130035:	Internal motion controller firmware is updated to prevent some powerup problems
EB130037:	Fix of enable / disable logic of the tree view
EB130038:	Fix of internal motion controller firmware to prevent double click on the Lock button to enable motion by joystick
EB130039:	Fix of joystick configuration page to save all the changes applied
EB130040:	Engineering format in all numerical edit-boxes is fixed
EB130041:	Numerous GUI bugs fix
EB130042:	Enable velocity change during move fix
EB130043:	Fix of inverse encoder check box on scale and direction page
EB130044:	Current loop page - limit of step duration is increased to 50%
EB130045:	Refresh rate of the graphical charts is improved
EB130046:	Joystick calibration is fixed
EB130047:	Not required parameters validation is removed when jump from one page to another
EB130048:	Temperature configuration fix
EB130049:	Numerical value validation is added to prevent zero values entry and more
EB130050:	Joystick configuration fix
EB130051:	Language support for file names operation
EB130052:	Presentation of parameters to be saved to flash is fixed
EB130053:	Velocity and acceleration values allowed are limited
EB130054:	Improved message box text in the motor direction page
EB130055:	Number of digits in the DRO value is reduced
EB150001:	Multi-point move fix to support velocity control
EB150002:	Improved text overall the application
EB150003:	Turn 48VDC and prevent motor enable when needed
EB150004:	Prevent Zeroing position when in motion
EB150005:	Fix of scale factor setting



Version 1.3.2

New Features:

- 1: Support of Hexagon CMM type

Bug Fixes:

- 1: Scale and direction page - fix of inverse encoder check box operation
- 2: Fix of manual operation mode of PH10
- 3: Fix of tachometer presentation
- 4: Fix of home configuration

Version 1.3.1.11

New Features:

- 1: Support of Mitutoyo CMM type
- 2: Support of HSSB
- 3: Protection support
- 4: Support of Hardware of Rev. C Support of Hexagon CMM type

Bug Fixes:

- 1: Circular move is fixed to support velocity knob

Version 1.3.0.5

IMPORTANT NOTE – Version 1.3.0.5 does not have an installation file. Version 1.3.0 should be installed. EPRG and Main board HEX files should be manually copied to the Configuration folder

New Features:

- EF130065: Mitutoyo and Hexagon styles of joystick behavior were introduced with parametric support of min velocity and time control

Bug Fixes:

- EF130065: TP200 SYNC / HALT operation is fixed



Version 1.3.0.3

IMPORTANT NOTE – Version 1.3.0.3 does not have an installation file. Version 1.3.0 should be installed. EPRG file should be manually copied to the Configuration folder

Bug Fixes:

EF130065: TP200 operation is reconsidered to support different velocities

The above fix works together with updated set of the dip-switch parameters as follows:

PH10C:	1	2	3	4	5	6	7	8	9	10	11	12	13
	D	U	U	D	D	D	U	U	D	D	U	U	U
PI200:	1	2	3	4	5	6	7	8	9	10	11	12	13
	D	D	D	D	D	D	U	D	U	D	D	U	D

IMPORTANT NOTE – dip-switch 13 of PH10C should be changed to D, if multi-wire cable is connected together with Y-cable

Version 1.3.0.1

IMPORTANT NOTE – Version 1.3.0.1 does not have an installation file. Version 1.3.0 should be installed. EPRG file should be manually copied to the Configuration folder

Bug Fixes:

EF130050: GetFWVersion is fixed
 EF130065: (i) Halt signal is not received sometime; (ii) Mark logic is fixed
 EB130029: Joystick behavior is fixed (i) when velocity knob is set to zero CMM continues moving; (ii) accidental press on joystick when app is opened leads to CMM continues moving

Version 1.3.0

New Features:

EF130001: Acceleration page is added
 EF130002: Option to disable air sense is added
 EF130003: LED on HW Limit Switch, when no one is selected, is disabled
 EF130004: More general home configuration for each axis is implemented
 EF130005: Velocity control during home procedure at each phase is added
 EF130006: Wait window is revised
 EF130007: Scope page is added
 EF130008: HW check page is added
 EF130011: Joystick calibration tree is implemented
 EF130012: Joystick section is relocated before the home page
 EF130013: Functions description is replaced with actual functions description
 EF130014: Behavior of all Edit Boxes is revised to as follows:
 - read-only parameters are seeing as disabled
 - default value is empty (instead of 0)
 EF130015: ACS port is removed from settings



- EF130016: Disconnect functionality is revised as follows:
- removed button on the main GUI
- when pressed, Warning Message "Are you sure?" is added
- EF130017: Save to flash functionality is revised as follows:
- button is added on main GUI
- removed from menu
- EF130018: About page is implemented
- EF130019: HW_FAULT is deleted as indication of the air sense and used for internal indication only
- EF130020: Text along all the application is revised and improved
- EF130021: Joy Deadband presentation is changed to percent and symbol % is added
- EF130023: Enable Motors procedure is revised to support the following:
- to enable single motor
- to show message to press servo button on the joystick when 48 VDC is off
- to use motion controller Motor_En routine
- EF130024: Motor direction page is revised to use motion controller routine for the manual alignment
- EF130025: The text appearance on the Motor direction page is revised
- EF130027: Start and Adjust buttons under Tacho offset page are enabled only if motor is enabled
- EF130029: Run of StartApp routine instead of start buffer is implemented to prevent the unpredicted parameters reload
- EF130030: Home procedure is generalized to support 3 general fully configurable phases
- EF130032: Retake button for joystick section is removed
- EF130033: Tacho Ratio functionality is revised as follows:
- Single loop button is added;
- when dual loop is selected, standard set of gains is used
- when single loop is selected, additional set of gains is used
- EF130044: Support of 2 motion controller ports is added: 1st for the configurator application and 2nd for the CMM SW
- EF130045: Enable Motors is revised to enable / disable logic per page
- EF130046: Warning message is added when application is closed with no save to flash
- EF130050: Installation files are updated to include ver. number, parameters for each CMM model, etc.
- EF130051: Graph legend is removed from the current loop page
- EF130052: To update Start / Stop initial values on the tacho ratio page
- EF130053: Renishaw and none options are left on the Probe Head page
- EF130054: DRO option only is left in the move page
- EF130055: General I/O page is updated

Bug Fixes:

- EB130001: License check after download is fixed
- EB130002: Error message is added if license is not valid
- EB130003: Bigger font for Instruction and Bold font for Take/Del point are implemented
- EB130004: Relative folder path for the version file is fixed
- EB130005: Chanel validation for the temperature configuration is implemented to prevent duplication
- EB130006: Fix of tachometer attenuation voltage is not saved to the flash
- EB130007: Software version number is fixed
- EB130008: Crash of the communication terminal is fixed
- EB130009: Run of Autoexec routine on connect is replaced by run of Init routine to prevent the parameters overwrite
- EB130010: SW crash while the configurator is connected and controller is shut down, is fixed
- EB130011: Ignore checkbox functionality under HW LS is fixed
- EB130012: Fix of start & stop points and velocity are not saved when page is closed
- EB130013: Wrong behavior of start and stop motion button is fixed
- EB130014: The last result as a last line on the Communication Terminal screen is shown to prevent jump of text on the screen
- EB130015: Wrong behavior of "Ignore HW limit switch feedback" GUI and save to flash is fixed
- EB130016: If Start measurement is pressed on the Tachometer page, jump to the pages of different axis leave the thread opened
- EB130017: Some parameters are not properly saved to flash
- EB130019: When machine is not moving and collision is recognized or when touch probe is removed, move back is performed

