Firmware MS JPx – Release Notes

Versione 7.84.11 – 29/10/2026

- Avoid spitting and recirc on K300 heads

Versione 7.84.08 – 24/07/2026

- add installed head temp in HTTP
- add heat temp graph in http
- Counter in jobid-nnnn / JSON-XML interface
- Display temperature and humidity during printing
- remove spitting license
- json protocol v2.4

Version 7.82.08 – 06/03/2026

- Fixed power-d communications

Versione 7.82.06 – 10/03/2026

- Fix upgrade procedure by using old Installer version for JP package generation

Versione 7.82.04 – 24/02/2026

- Fixed: Meteor Report should not be displayed on the HTML Logs page

Versione 7.82.03 – 19/02/2026

- Fixed that in head voltages page, no longer see trapezoide voltages for KJ4B heads
- Fixed the setting of external feeder parameter by using simply administrator password
- Fixed some issues related to winder unwinder
- Fixed the use of jog x by avoiding the crash with red screen in windows 10 IoT

Version 7.82 – 30/01/2026

- Improved temperature and humidity charts using data clamping/limiting
- Managed new functionality on the event log:
  – Adjusted parameter settings
  – Fixed the local mode timer reset when launching remote operations
  – Added the new option "Enable Advanced Maintenance Log"
  – Main buttons require the log only if the setting is active/enabled
- Fixed a malfunction on the cleaning cycles that caused them not to start
- Durability test is now disabled if the carter (protection/cover) is open
- Resolved the issue that prevented the operator from selecting the reason (for an action/error)

- Corrected the incorrect data related to ink consumption
- Optimization to prevent the loss of logs and ink usage loading data

Versione 7.78.7 – 11/09/2025

- Add advanced tests

Versione 7.78.6 – 01/07/2025

- Add zeroGap feature

Versione 7.78.5 – 18/06/2025

- Add RIP Bottinelli key

Versione 7.78.4 – 13/03/2025

- Improve X alignment management
- Avoid Ink dropping while cleaning
- Add option to switch on/off aspiration color fan
- Improved bridge connection stability
- Improved X alignment test

Versione 7.76 – 23/02/2024

- Add a warning 5 days prior to the license expiry
- Added recirculation license
- Full density test with double four-colour process
- Fix Issue with air compressed
- Increased print head heating time
- Error <Requested position out of range>

Versione 7.74.2 – 20/12/2023

- Insert the Gridtest into the firmware
- Change the label wording on the web server side
- With a full color waste tank, cleaning stops and I have to turn off the machine
- On Screen Keyboard for Windows 10 IoT in JP Firmware
- Add the Smart-D status on the main screen of the printers interface

Versione 7.72.2 – 15/11/2023

- Fixed bug in recirculation automation when a ink tank is empty in JP7 Pigment
- Wrong carriage positioning after axis reset at capping level
- PC forced to restart if DataPort NIC not found on startup
- Enabling carriage alignment with Admin password
- Possibility to have automatic password logout

- Fixed the case in which the FW update modifies the XT parameters
- Make printer starter independent of print line elements
- Handling writing on disk error on jp-firmware
- Add Halt and Start button on JP-Firmware
- Issue on MiniLario Z-axis initialization under particular condition
- Added polish language support
- In case of big roll when an error occur, the unwinder releases material in an uncontrolled way
- If the bigroll is set and it is not detected, the machine stops and does not restart

Versione 7.70.2 – 27/07/2023

- Resolved defects on print of 7.68.3 version under some particular conditions
- Disable spittig on machine error
- Added spitting feature under license
- Reviewed wiper automation
- Plotter.Wiper.DownPosition not saved after Find It
- Setting page improvements
- Fixed winder problem with standstill function enabled

Versione 7.68.3 – 17/04/2023

- MS Shell ver. 7.0
- WriteFilter and commits fix
- X movement if Z not ready fixed
- External Winder MS Unwinder bug fixing
- Fix hardware trigger with 2 CMYK
- Windows 10 iot support
- XT tests improvement with new parameter to enable CLK1_40Mhz

Version 7.66.3 – 15/12/2022

- Additional infos added into the print job structure
- New options about cleaning cycles
- Fixed an issue with XT tests
- Fixed an issue about the washer debug panel
- Fixed an issue about the wrong display of message “air missing” when an emergency stop happens

- Fixed a crash issue during the loading of printed job list in the “info” section
- Added the “SAi” rip managing

Version 7.64.3 – 25/08/2022

- Fixed MS external winder/unwinder management
- Fixed time license
- Update: heads power timeout changed to 2000 ms
- Feature: added washer blade rotation exclusion
- Fixed issues with Moving Roll
- Improved and stabilized package installer
- Fixed communication issues with Erhardt+Leimer hardware
- Feature: updated safety PLC in order to manage doors opening and closing
- Fixed some previously unhandled exceptions (red screen)
- Fixed a bug that presented on machines with more than 16 CPU cores
- Feature: added washer motor overcurrent management
- Feature: added cooling system overcurrent management
- Feature: introduced pressure Roll temperature check
- Fixed long timeout in stop media feed jog when the winder is not ready
- Feature: pressure roll heater system is also managed in PWM mode
- Fixed HTTP web interface
- Fixed some REST API
- Fixed HTTP panel bug
- Fixed LOG production
- Other bugfixes and improvements
- Additional controllers diagnostic informations added

Versione 7.62 – 01/02/2022

- AllowDisableWasherWhilePrinting restored and managed
- Kontroller 338 Fix bug for HCC update Firmware and Bitstream on Jp3
- Kontroller 338 ethernet OS name extended
- Dlysel management inserted
- Debug panel refresh fixed
- H+L management on JPK'20
- H+L fix: stops when pressure roll raised
- Fix MS External Unwinder
- Fix MS External Winder

Version 7.60 – 23/12/2021

- Improved the manage of pressure-roll with real-time control.
- Change parameters to improve some axes movements (especially about X axe) and about the built-in unwinder.
- Physical controller replacement support.
- Improvement of CAN devices network map visualization at the software initialization.
- Managing of built-in unwinder.
- Fixed the dynamic updating of motor parameters (also to avoid the error 400)
- Improved remote diagnostic, adding information about pid and the devices list visualization on 2 columns.
- Enabled also for MS technicians the remote visualization of diagnostic panels, in the previous version reserved to developers.
- New parameters to overrun the carriage movements during the printing phase, due to go over the selvedges with carriage sides protection device.
- PID parametrization of MS external winder and MS external unwinder by web interface.
- Managing of slatted extender, centering unit, and selvedges extender, for MiniLario and JPKevo'20.
- Improved the MS external unwinder managing.
- Management for dual unwinder (JP4evo'17)
- Schneider Lexium “i” support for new motors in case of winder e unwinder.
- Improvement of printing speed with optimization of X-Y anticipation.
- Bugfix of washing brushes stop managing.
- Added end ink event for industry 4.0 protocol.
- Improvement of production average speed computing.
- Added in main interface the possibility to select slatted extender running in velocity mode or grip mode.
- Improved external devices fault signals managing.
- Graphics to show diagnostic data.
- Avoided the external winder/unwinder faults visualization in start-page

Version 7.54.2 – 30/11/2021

- Bugfix saving/updating users

Version 7.54.1 – 23/11/2021

- Bugfix JSON data Industry 4.0

Version 7.54 – 26/10/2021

- Fix on the management of different motor models for JP4 winder/unwinder.
- Support of DualUnwinder model for JP4.

Version 7.50 – 20/07/2021

- Supporto protocollo modbus.
- Supporto modello motore differente per svolgitore/avvolgitore JP4.
- Gestione rotolo di diametro superiore (1000m) per JP4.
- Mappatura di I/O: “velocità media di produzione”, “asciugatoio pronto”, asciugatoio in errore”.
- Correzione gestione asse tappeto (Y) per JPK'20 versione > di 2400 mm.
- Migliorata la funzionalità di calcolo del diametro su JP4.
- Aggiunto tag “CurrentTime” nella richiesta xml/json.
- Modificata configurazione di default delle porte di connessione delle schede per JPK'20.

Version 7.44 – 18/06/2021

- The media counter was wrong starting from version 7.40

Version 7.40 – 28/05/2021

- Fixed the number of decimals in the ink consumption via HTML.
- Added waveform “JK K-One V2”
- Addes support forMS XML/JSON Protocol V2
- The status line now show more than one warning cycling between them if more than one alert is present.
- Often the “Reconnect” fails to initializa the printheads on printer where the power supply is managed by the safety controller.
- On the MiniLario in case of unexpected movement stopped by the safety controller the belt will be moved to the expected position before restarting the printing.

Version 7.38 – 05/02/2021

- Added waveforms “Bellagio RCS” and “Elementum natu”.

- It is possible to pause the printjob remotely using the browser.
- Support for the electronic fuser on printhead power supply on MiniLario

Version 7.36 – 22/01/2021

- In some situations the washer could be lowered immediately after the insertion.

Version 7.34 – 11/01/2021

- The JP4’16 and JP4evo’17 will automatically enter in pause (and capping) when the media roll is about to finish. Pressing the “Play” button will resume the printout. It is possible to adjust the minimum diameter value to raise this function from the “Settings” page.
- In some situations the washer could be lowered immediately after the print end.
- The gear ratio for the winder motor BMI1002P16A on JP4'16 and JP4evo'17 (width 1800) has been fixed.
- Support for the torque mode on the MiniLario unwinder.
- The management (and the electrical connections) of the electrostatic bars on the MiniLario has been changed.

Version 7.32 – 27/10/2020

- On printers equipped with the specific hardware it is possible to switch-off completely the machine via remote connection.
- It is possible to abort a print job from a remote connection
- An extremely rare event the can lead to the lock of the firmware has been solved.

Version 7.30 – 16/10/2020

- In some older printers sometimes the belt moved back slightly during print pause.
- The authentication management on XML/HTML has been fixed from both panel and browser.

Version 7.28 – 26/09/2020

- When using the DualCMYK configuration the C4 and D4 print modes were using a wrong carriage speed; as a result of this the bidirectional alignment was wrong.
- Some errors were not displayed correctly, keeping the third parameter to zero.
- Support for the MiniLario builtin unwinder has been added.

- Support for the MiniLario ink dust exauster has been added.

Version 7.26 – 14/09/2020

- On the JP4evo the acceleration and deceleration ramps has been improved to print quality.
- With this modification is possible to safely configure the printer to obtain a larger printing width.
- As an example it is possible to configure a 1800 mm machine to print 1860 mm and a 3200 mm machine to print 3260 mm.
- In this scenario the carriage speed is reduced from 2.4 to 2.2 m/s in all the “MaxSpeed” printing modes; it is also necessary to adjust the bidirectional alignments.

Version 7.24 – 03/09/2020

- An error in the “Printed Job List” via HTTP could sometime close the software.

Version 7.22 – 01/09/2020

- The robustness of the embedded HTTP server has been improved to avoid some “red screen of death” that randomly appeared due to malformed requests or corrupted data.

Version 7.20 – 25/08/2020

- Added Czech translation
- The behavior of the rear pause button during the tests has been fixed
- On the JP4'16 and JP4evo'17 it was not visible the number of tanks selection button

Version 7.10 – 17/07/2020

- An option has been added to force programming of EMA boards that is not able to restart due to an interrupted firmware update. In this scenario the machine show an “Node not ready” error and there is one additional “Recovery” button that starts the forced update procedure. Additional info are avalable in the technical note TN200717.01
- Added support to front paper feeder on JP4'16 and JP4evo'17
- Added support to bigger BMI1002P16A motor on the JP4'16 and JP4evo'17 winder.
- Added an option to set the network gateway
- Updated Smart-D version 3.18

Version 7.02 – 08/07/2020

- Sometimes a Red Screen Of Death appear during HTML query. It has been fixed.
- Addes an hidden parameter to allow to lower down the washer while printing.

Version 7.00 – 30/06/2020

- Support for MiniLario
- New HTTP server

Version 6.62 – 30/03/2020

- This version optimize the performance of some printing modes in most printer model

Version 6.60 – 03/03/2020

- The operator events list table is now fully configurable.

Version 6.58 – 28/11/2019

- Fix to meter counter for JP4'16 e JP4evo'17
- Nippon Kayaku waveforms updated
- Support for series 'M and 'S' printheads on JP3

Version 6.50 – 05/04/2019

- Support for series 'M and 'S' printheads available since March 2019
- Quick access to "Clean all color" function
- Support for copies counter change while printing in Qwizard 2.10

Version 6.48 – 19/03/2019

- Fix to meter counter

Version 6.46 – 13/02/2019

- Fix an issue preventing to list the parameters via HTTP

Version 6.44 – 24/01/2019

- There were an error reading the 300 dpi printheads serial number
- Fix to X axis initialization with higher wipers (for thick material handling)

Version 6.42 – 21/01/2019

- During printing and after a manual pause the height of the carriage was not reset correctly.
- Digital filter to avoid false “carter open” warning
- With some print modes the shading option can left a line at the end of the printhead

Version 6.40 – 30/11/2018

- Support for JP4evo’17-3200
- Y axis parameters changed on JP4’16-3200 and JP4evo’17-3200
- Support for pneumatic dancer on JP4’16-1800 and JP4evo’17-1800
- Printhead connection timeout on JPKevo with fiber switch changed

Version 6.38 – 26/11/2018

- Introducing "Manufacturing ID" label
- JP3 X homing speed lowered
- Smoother PID parameters on JP4’16 and JP4evo’17 Big Roll Unwinder
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Version 6.36 – 29/08/2018

- New waveform for Dupont D2500
- Fix to the display of the Info→Heads page that crash if the printhead are switch-off
- Fix to a Red Screen Of Dead at startup on some machines
- Fix to the JP3 dryer with analog sensor not showing correctly the temperature button.

Version 6.34 – 20/06/2018

- New waveform for Solunaris Antelos XD reactive inks

Version 6.32 – 14/06/2018

- The quality of the shade between passes has been improved.
- On some machines the carriage didn’t return to the right height after a cleaning done while printing.

- The error feedback from the head control board has been improved.
- Fixed an error that crash the firmware using very long job names

Version 6.30 – 23/02/2018

- On JP4'16 and JP4evo'17 the default value of the winder range were wrong.

Version 6.28 – 22/02/2018

- Waverforms for Fujifilm TX122 inks.

Version 6.26 – 14/02/2018

- Starting from version 6.22 the backup files were sometimes unreadable.
- The wiper calibration procedure was not working
- Sometimes at startup the Qwizard was not recognized correctly.
- Starting from version 6.00 the end of fabric on belt machines was not working correctly.

Version 6.24 – 31/01/2018

- In the JP4 it was not possible anymore to move the carriage with a jog.
- In the JP4-3200 the power adjustment of the vacuum didn't work correctly.

Version 6.22 – 26/01/2018

- It has been fixed the movement of the belt after a fold detection
- It has been fixed a condition that, starting from version 6.12, reset the negative pressure parameter to the default value at restart.
- Cleaning cycles are now faster.
- It has been fixed a condition that raise up the belt speed unexpectedly.

Version 6.16 – 10/11/2017

Fix to X axis home velocity

The return to capping speed at the end of the print job has been changed

Fixed to cursor pad positioning error in the cleaning page

Version 6.14 – 03/10/2017

- Big roll winder diameter increased to 500mm
- Fixed the message about the maximum size of the winder roll
- Parameter retransmission to avoid the SDO error
- The values in the PMU diagnostic page have now the right sign.
- In some situation the window asking the activation of the ressure roll appeared randomly.
- JP3 heater with optional temperature sensor support.
- Fixed the Z home procedure.
- Fixed the winder/unwinder jogs hanging randomly.
- Support for JP4evo'17

Version 6.10 – 29/09/2017

- Raised up the winder motor power.
- Fixed an issue during the JP3 bidirectional alignment

Version 6.00 – 15/09/2017

- Support for JP4'16
- Support for UNICODE languages
- Automatic calibration of atmospheric pressure in PMU
- Fixed a problem preventing the modifiation of the date
- Support for Qwizard
- Support for big roll winder and unwinder

Version 5.26 – 08/03/2017

- Temperature adjustment on JP3 dryer.
- New Nippon Kayaku Acid inks waveforms.

Version 5.24 – 13/02/2017

- Fixed timeout issue during receiving data from slow RIPs.
- It was not possible to change the voltages from the “Heads layout” page but only from the “Heads voltages” one that is only available on machines with 600 dpi printheads. As a result it was not possible to change the voltages on machines with 300 and 150 dpi heads.

Version 5.22 – 24/11/2016

- It was not possible to get the backup data of the JP3.
- The low-ink message immediately put the machine in pause mode instead waiting for some time. In some cases, when the carriage move back to capping position, the software crashed. This has been fixed.
- Added support for discharge bars.
- Added an error message when the RIP remain too long without sending data.
- The ink consumption order was wrong using multi inks heads.
- Added a speed test of the communication on the head boards.
- Fixed the compute of the ink consumption when using DualCMYK configurations.
- The feedback on the negative pressure is not more reliable and the offset will be reset to zero during this upgrade. Any eventual difference between the current value and the previous one does not have any influence on the printout.
- Added support for the head boards series 8000.

Version 5.12 – 02/06/2016

- Using mode “C” and “D” with DualCMYK configurations used only one group of printheads giving a very light result.
- Pressing the emergency button while homing the moving pressure roll does not stop the cylinder itself on restart.
- In the info page from the web server there is now the SystemID.
- It was not possible to print more than 1900 mm on JPKevo with physical Kontrollers.

Version 5.10 - 09/05/2016

- In the Ink Supply Parms page the status of the “Disable ink loading” button was not always true.
- Debug TraceBack - Red Screen of Dead: in case of fatal error the software try to move the carriage back in the capping position and show a red screen with developers info.
- Setup of DLYSEL on brand new printheads.
- Fix to communication of warning and errors from the Kontrollers.
- Added error message if it is not possible to read the serial number of the printhead.
- Added support for the head board series 6000.

- The user interface is now filtered for touches executed during machine busy state.
- It was not possible to exit from the fillup procedure if a tank reached the max level.
- The rear keyboard as active even with the Debug page shown.
- The head diagnostic was wrong In some configuration.
- Sometimes the PLC gone offline after a firmware upgrade.
- The minimum time required to reach the wiper down position has been lowered from 4 to 2 seconds.
- In the Debug page the limit switch led were not present.
- It was not possible to run the full-density test without printheads.

Version 5.00 - 12/04/2016

- Reset of the ATV312 of the JP3 to avoid node guarding errors on startup.
- Fixed “All Level Test Draw” on JP3
- Menu HTML without banner
- Waveform “Generic Pigment”
- Added diagnostic procedure of the wiper at startup
- Added wiper fault management.
- Background initialization of printheads
- New “Debug” page.
- New “Voltage Settings” page
- New “Head Diagnostic” page
- New “Heads Layout” page
- Fixed “Unwinder Not Ready” error at the end of the print job on the JP3
- New “Media End” management on JP3
- New “Media and Alignments” page
- Fixed Kontroller initialization failure with less than 8 heads.
- Added DualCMYK on JP3
- New “Ink Supply” page
- Faster display of long Print Job List
- Added the capability to import a waveform using a pendrive
- Low speed during slant test on JP3 and JP4.
- Temperature management per head rather than per ink.
- It was not possible to put 0 on the last value of the network mask.
- New XR_PRINTERINFO struct with order_number, inst_date and sys_id
- New MS-Bridge V4.00 using “bridge.msprintingsolutions.it”