Firmware MS JPx – Release Notes

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

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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

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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

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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

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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"