

# Firmware MS JPx – Release Notes

## 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 available 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

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## 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.

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## Version 7.00 – 30/06/2020

Support for MiniLario

New HTTP server

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## Version 6.62 – 30/03/2020

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

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## Version 6.60 – 03/03/2020

The operator events list table is now fully configurable.

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## 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

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## 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

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## **Version 6.48 – 19/03/2019**

Fix to meter counter

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## **Version 6.46 – 13/02/2019**

Fix an issue preventing to list the parameters via HTTP

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## **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)

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## **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.

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## **Version 6.34 – 20/06/2018**

New waveform for Solunaris Antelos XD reactive inks

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## **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.

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## **Version 6.28 – 22/02/2018**

Waverforms for Fujifilm TX122 inks.

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## **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.

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## **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.

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## **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.

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## **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

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## **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

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## **Version 6.10 – 29/09/2017**

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

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## **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 modification of the date  
Support for Qwizard  
Support for big roll winder and unwinder

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## **Version 5.26 – 08/03/2017**

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

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## **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.

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## **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.

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## **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.

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## **Version 5.10 - 09/05/2016**

In the Ink Supply Params 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.

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## **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"