

Service & Support

Magenta V2 Ink transition overview

DURAFLEX™

memjet®

PZ Magenta Ink change: Overview



- This transition process to DuraFlex® PZ v2 Magenta ink was devised to ensure ink supply to OEM's/customers remains consistent.
- The ejection pulse width requires updating to ensure avoid under-driving the ejections and possibly causing non-uniform OD (Optical Density).
- This pack includes the following to ensure a simplistic and straight forward transition:
 - Step-by-step manual instructions.
 - Microsoft Windows script to automate the change & associated notes.
 - Linux script to automate the change & associated notes.
- The same scripts and manual procedure can be used to transition back to the original Magenta ink formulation when required.
- The scripts and instructions have been written to be used by senior operators, field technicians, service engineers, design & system engineers who already has a level of familiarity with the DuraFlex® printing system.

PZ M change information: Change Implications



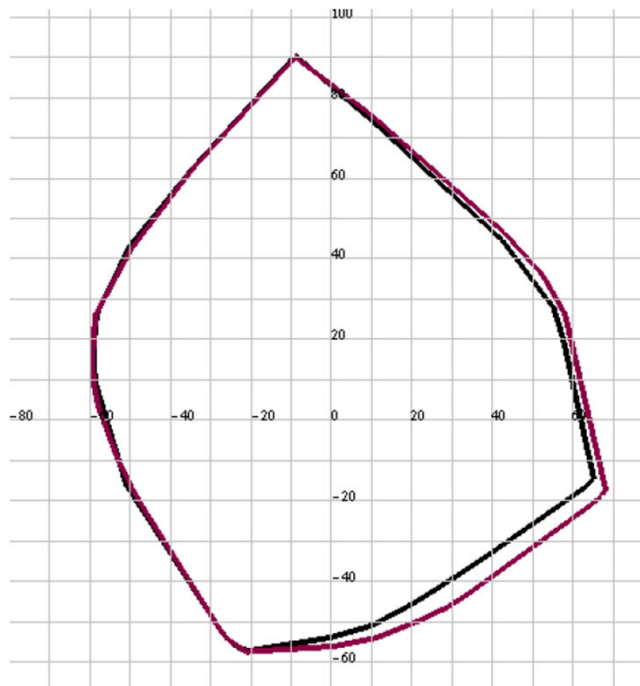
- When incorporating this ink into the PZ inkset, customers can expect:
 - Similar performance in terms of handling and use within the system
 - Similar on-page performance
 - A small reduction in overall achievable gamut, with a reduction mostly in the blue & violet regions
 - Small shifts in colour reproduction if no re-profiling is undertaken.
- With the change in pigment, it is advisable to re-profile the system.
- The following slides illustrate:
 - the difference in gamut and colour production that can be expected as a result of the change, in addition.
 - To show the expected changes to the labelling to enable easy identification.

PZ M change: Gamut Comparison – 1600dpi

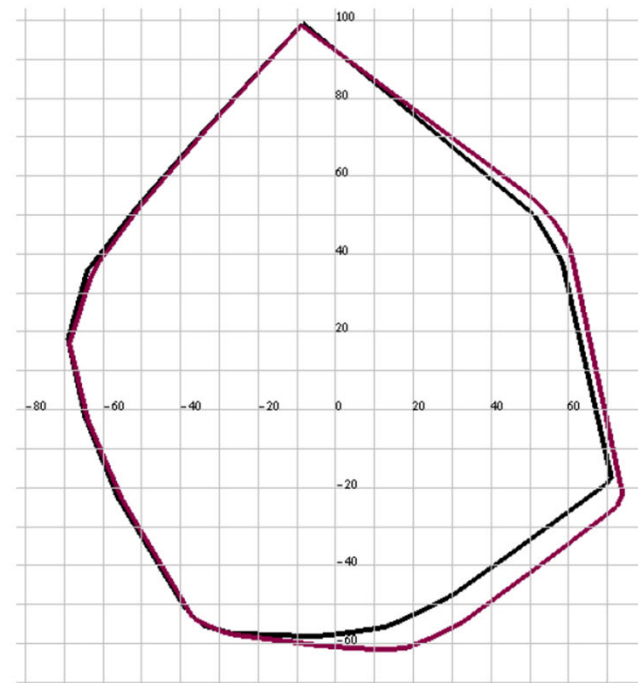


- The new pigment will result in a reduction in gamut, primarily in the blue & violet regions
- Can expect overall gamut reduction of approximately 5% at 1600 dpi.

Mitsubishi ML9084 Matte Coated



Fasson Demand Jet Gloss Paper



New M v2 Ink
Current M Ink

PZ M change: Gamut Comparison – 1600dpi

PZ with current Magenta

PZ with Magenta V2



- Printing with the updated Magenta V2 ink instead of the current Magenta ink on matte coated media without changing the profile, resulted in a very subtle change in the colours produced.
- For best performance Memjet recommends to re-profile for the intended media.

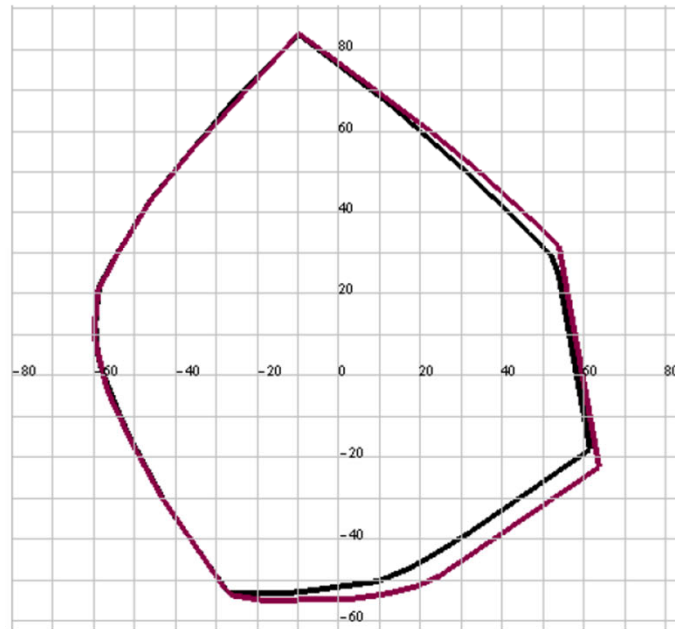
*Mitsubishi Matte Coated media
Fogra F52 chart printed at 1600 dpi
Example profile for DuraFlex PZ*

PZ M change: Gamut Comparison – 954dpi

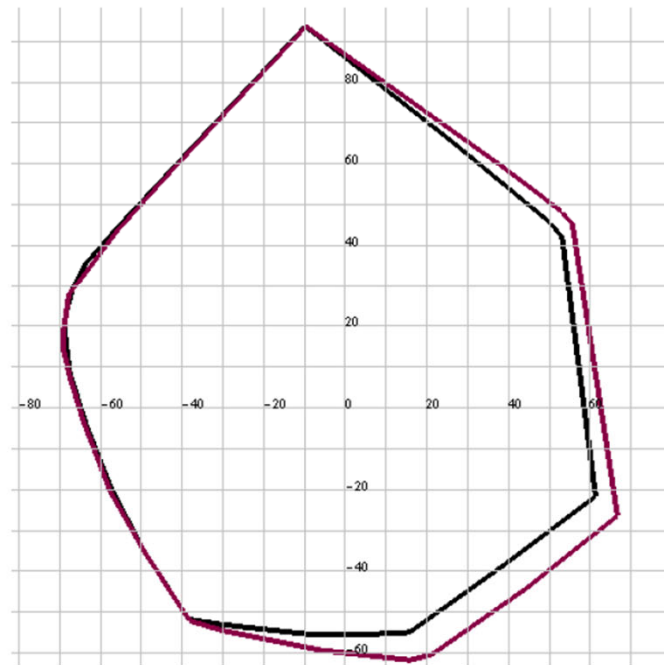


- The new pigment will result in a reduction in gamut, primarily in the blue & violet regions
- Can expect overall gamut reduction of approximately 5-10% at 954 dpi.

Mitsubishi ML9084 Matte Coated



Fasson Demand Jet Gloss Paper



New M v2 Ink

Current M Ink

PZ M change: Gamut Comparison – 954dpi

PZ with current Magenta

PZ with Magenta V2



- Printing with the updated Magenta V2 ink instead of the current Magenta ink on matte coated media without changing the profile, resulted in a very subtle change in the colours produced.
- For best performance Memjet recommends to re-profile for the intended media.

*Mitsubishi Matte Coated media
Fogra F52 chart printed at 954 dpi
Example profile for DuraFlex PZ*

PZ M change Information: Degassed ink sets



2 Liter degassed label - OEM



In addition to the change in part number (OEM Specific), the description of the Ink set will be updated to identify the newer in.

The description will change to the following text:

DURA™ PZ Ink v2 Magenta

10 Liter degassed label - OEM



In addition to the change in part number (OEM Specific), the description of the Ink set will be updated to identify the newer in.

The description will change to the following text:

DURA™ PZ Ink v2 Magenta

PZ M change information: Gassed ink sets



- The labelling will be updated to reflect the change
- The description will change to the following text:

DURA™ PZ **Ink v2** Magenta

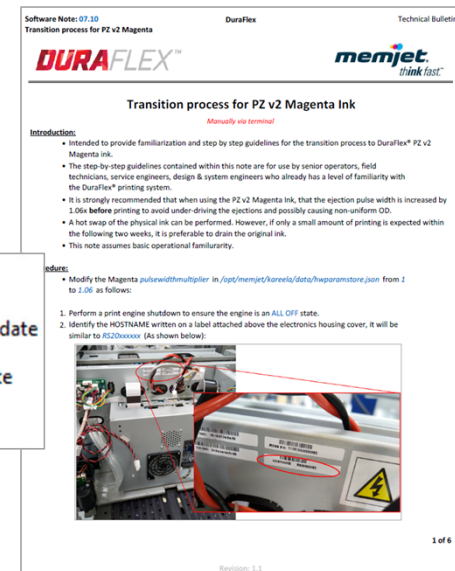
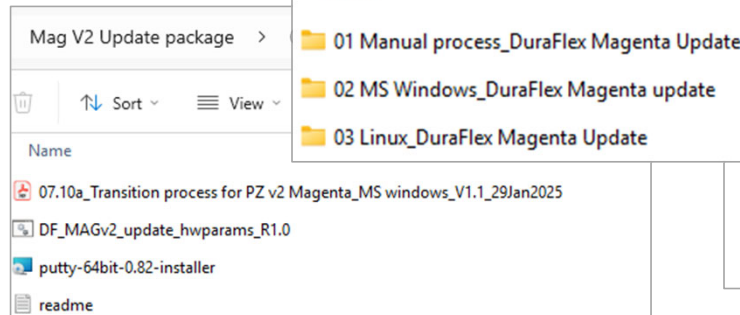
- The OEM specific part number will be updated to reflect the change. OEM specific part number is available upon request.

		Memjet Ltd. Trintech Building South County Business Park Leopardstown Dublin D18 H5H9, Ireland T +353 1 678 0420	
DURA™ PZ Magenta		CHEMTREC +1-703-527-3887 (24/7)	
Not classified as hazardous according to GHS.		Gemäß GHS nicht als gefährlich eingestuft.	
根据 GHS, 未被归类为危险品。		GHS के अनुसार खतरनाक के रूप में वर्गीकृत नहीं।	
EUH208 - Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. EUH210 - Safety data sheet available on request.			
EUH208 - Enthält 1,2-Benzisothiazol-3(2H)-on. Kann allergische Reaktionen hervorrufen. EUH210 - Sicherheitsdatenblatt auf Anfrage erhältlich.			
Memjet Part No.	OEM specific part number	Net Contents	10L
Lot No.	XXX	Storage	+15°C TO +35°C
Rev No.	XX	Country of Origin	Malaysia
Manufacturing Date	DD-MM-YYYY		

PZ M change information: Pulse Width update



- With the change of the ink set, there is a requirement to adjust the pulse width multiplier associated with Magenta v2 ink.
- The ejection pulse width requires updating to ensure avoid under-driving the ejections and possibly causing non-uniform OD (Optical Density).
- To make this minor adjustment as efficient as possible, a series of documentation and scripts have been created with this package.
- There are 3 options available (depending on host OS being used):
 - Fully documented manual procedure
 - Automated script for a Microsoft Windows host
 - Automated script for Linux operating system host
- The automated scripts take approximately 2 mins to complete
- The manual procedure take approximately 7mins to complete
- The Ink is chemically compatible with each other, meaning no flushing required (usage dependent).



Questions?

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