MUTOH

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For Immediate Release

MUTOH MP Ink Now Available in Spot Colors ; Orange, Blue and Green

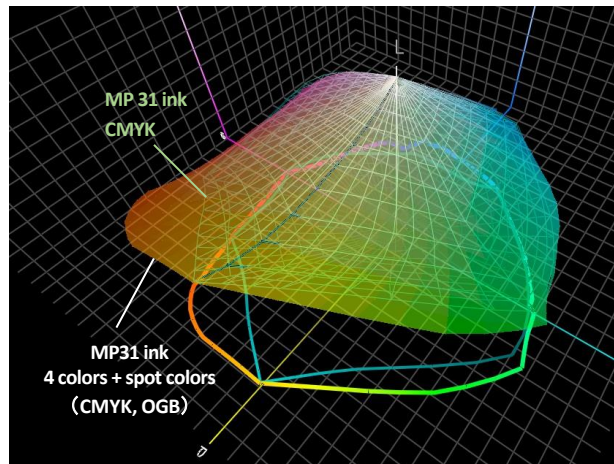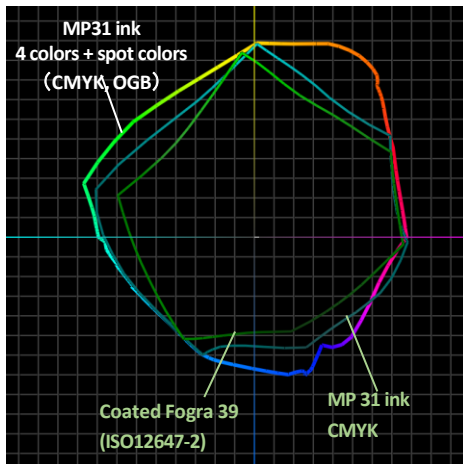Expand color gamut and improved color saturation for vivid color development

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MUTOH INDUSTRIES, Ltd.

MUTOH INDUSTRIES LTD., a leading manufacturer of wide-format inkjet printers, affiliated with MUTOH HOLDINGS CO., LTD. today announces that it has added spot colors; orange, blue and green inks to its proprietary MP31 ink lineup for the VJ-628MP and VJ-1628MH printers.

The "MP" in MUTOH MP31 ink stands for Multi-Purpose, and MP 31 ink can print directly on a wide variety of materials, including acrylic, PET, metal and synthetic leather, as well as paper. Compared to UV ink, it is less uneven and smoother, and produces a natural finish that brings out the texture of the material.

The use of spot color-inks; orange, blue and green added to the basic CMYK inks expands the color gamut and broadens the range of color expression. These inks produce more vibrant and beautiful color expression including vivid orange and green, and deep blue.
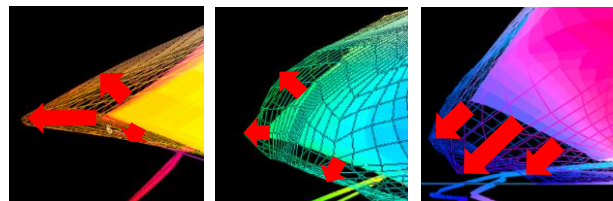
Color reproduction area with process color + spot-color inks (CMYK, Or, Bl, Gr)

VJ-628MP
Media: OK Topcoat +
*Color reproduction area varies depending on media, printing mode and other printing conditions.

Compared to the color gamut of CMYK inks alone, the color reproduction area using spot-color inks have been extended and the saturation has been increased.

＜Effect of spot-color inks＞

Spot color: Green
Increased saturation

Spot color: Blue
Deep and bright

Without spot colors:
CMYKLcLmLk

With spot colors:
CMYK+OrBlGr

Spot color: Orange
Increased saturation

＜Features of MP31 ink＞

- Weather resistance*, abrasion resistance, and color development equivalent to eco-solvent ink
- High-opacity white ink brings out the original brightness of color inks regardless of the underlying substrate color.
- Natural finish with no unevenness and smoothness compared to UV curable inks, making the most of the original texture of the material.
- Resistant to heat, stretching and bending, and the printing surface does not crack easily when bent. Printing and processing on polycarbonate and shrink film used for vacuum forming are possible.
- Selectable from 4, 5, 7 or 8-color ink configurations depending on application
 *Except for orange ink

＜ Recommended colors by application ＞

Process colors; CMYK	Process colors; CMYK + Light inks (LC, LM, LK)	Process colors; CMYK + Spot-color inks (OR, BL, GR)
All printed materials in basic colors	Reproduces smooth gradation and less graininess with light inks, making it ideal for high-quality commercial proofs and package sample applications	Wide color gamut reproduction with spot color inks make it ideal for creating proofs and mock-ups for folding carton packaging and flexible packaging printing.

＜ Printer compatibility ＞

VJ-628MP

VJ-1628MH

The VJ-628MP and VJ-1628MH provide highly accurate inkjet color proofing using the original printing paper. The ability to check the design and color proof on the same sheet of paper provides a consistent image of the finished product, prevents reversals due to image inconsistencies, and can also be used for color proofing with high reproducibility.
In addition, effective use of original paper also eliminates the need for dedicated inkjet paper and reduces running costs.

MUTOH makes continuous efforts to provide new products to the market to meet the diverse needs of our customers.

MP31 spot-color inks	
No. of colors	Orange, Blue, Green
Volume	220ml cartridge
Printer compatibility	VJ-628MP, VJ-1628MH
Supported RIP software	-CGS ORIS FLEX PACK -SAi Flexi Sign&Print
Release date	July 25, 2023

<Appendix>

MP31 ink line-up

Product	Multi-purpose ink（MP31）
Color configuration	4 colors (C,M,Y,K) 5 colors (C,M,Y,K,Wh) 7 colors (C,M,Y,K,Lc,Lm,Lk) or (C,M,Y,K,Or,Bl,Gr) 8 colors (C,M,Y,K,Wh,Lc,Lm,Lk) or (C,M,Y,K,Wh,Or,Bl,Gr)
Volume	220ml cartridge（C,M,Y,K, Lc,Lm,Lk,Wh,Or,Bl,Gr） 500ml bag（C,M,Y,K,Wh）
Printer compatibility	VJ-628MP, VJ-1628MH
Supported RIP software	-MUTOH genuine RIP software, VerteLith* -CGS ORIS FLEX PACK -SAi Flexi Sign&Print

*MUTOH genuine RIP software, VerteLith, does not support spot-color inks.