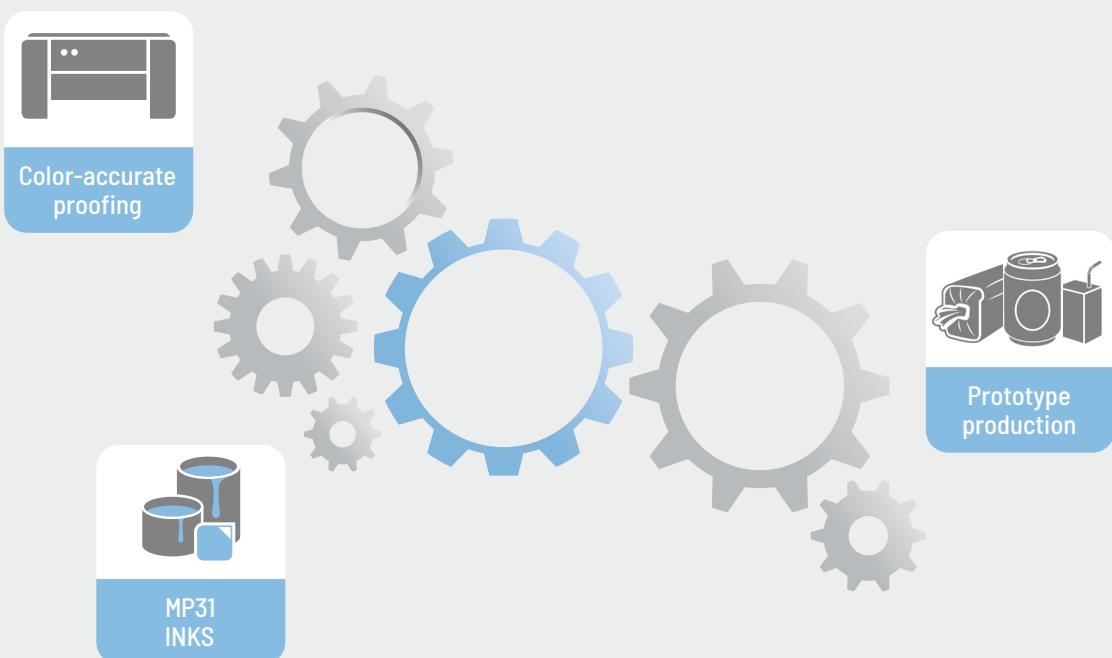


# Real Substrate Proof: The Ultimate Packaging Proofing Solution



Shrink sleeves, uncoated labels and corrugated board – there is a variety of applications in the market where many users have been searching for a solution enabling proofing on original substrate, but up until now nothing suitable was available.

The new FLEX PACK system is especially developed for 'Real Substrate Proofing' in the packaging sector and offers everything you need to produce perfect packaging proofs and mockups quickly, easily and cost-effectively.

For this purpose, FLEX PACK supports the **Mutoh Value Jet-628 MP** and the **Mutoh Value Jet-1628 MH**, two digital piezo inkjet printers primarily designed for the special requirements and needs of the packaging industry. Software and hardware are seamlessly integrated and enhanced by inks specifically developed for this purpose.

The newly developed multi-resin MP31 inks are best characterized by their excellent adhesion as well as their unique stretching and shrinking properties to perfectly compliment the system - for optimal proof results that are indistinguishable from the original.

## Benefits at a glance

- Unique system, especially developed for the production of color-accurate packaging proofs and mock-ups on original substrate
- Highly efficient and reduced cost to manufacture
- Patented, iterative 4D color management technology
- Perfectly tailored features and modules, e.g. for preflighting, soft proofing and certification
- Packaging-related spot color management:  
Ideal spot color overprints using spectral color definitions
- Intuitive to use, it easily integrates into existing workflows and can be combined with other CGS ORIS applications

# Proofing and prototyping on original substrate



## FLEX PACK - The software for packaging proofs and samples

The software was especially designed for the characteristics and highest requirements of the packaging industry. It is based on our patented iterative 4D color management technology and contains all functions and modules to produce various packaging proofs and packaging samples immediately, easily and cost-effectively.

Functions such as preflighting, soft proof and proof certification are integrated, and the program naturally has packaging-specific spot color management that converts spectral data natively and even simulates the overprinting of spot colors perfectly. Furthermore, cloud-based color databases such as the CGS ORIS CxF CLOUD or PantoneLIVE® can be integrated.

## FLEX PACK + Mutoh: Real Substrate Proofing

In this new version, FLEX PACK is combined with the **Mutoh Value Jet-628MP** and the **Mutoh Value Jet-1628MH**. These are digital piezo inkjet printers that were especially developed for the special requirements and needs of the packaging industry.

This new solution is a real break-through for the industry, as it enables 'Real Substrate Proofing', meaning direct printing on original substrates, without the need for primers or transfer films, something many customers have been looking for since a long time.

In addition to printing on substrates such as shrink films and other extremely thin flexibles, the solution is particularly suited for proofing on uncoated label stock or cardboard.

## Newly developed multi-purpose resin inks

Unlike UV inks, the specially developed new water-based **MP31 Inks** retain the look & feel and all other physical properties of the substrate, thus making it possible to create a proof or prototype which cannot be distinguished from the final product.

The printer is equipped with CMYK, Or, Gr, Bl and White inks that cover an extremely large color space. They are characterized by an excellent adhesion to coated and uncoated substrates, are non-toxic, odorless and have unique stretching and shrinking properties. This is particularly important for the production of shrink sleeves, as the distortion of the artwork can be checked in advance on the original shrink material.

Therefore, this is the ideal solution for those proofing applications where the use of transfer films with solvent-based inks or printing with UV inks is not the ideal approach.

## Recommended system configuration

We recommend the following computer equipment for optimum performance and high throughput:

- Intel Core i7 6th generation or better
- 16 GB Memory (RAM) or more
- Non-partitioned SSD system disk with 1 TB or RAID system
- Windows 10 or newer
- Internet Explorer 11 or newer

The exact hardware configuration depends on the type and number of output devices.

## Supported printers, file formats and measurements devices

On our website [www.cgs-oris.com](http://www.cgs-oris.com) you can find more about our solutions, read what users report and download all handouts.

## Further information

On our website you

- can find details about partner cooperation.
- can learn more about the system and its components.
- can request your own samples as well as a demo.
- get details about our other products and solutions.

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