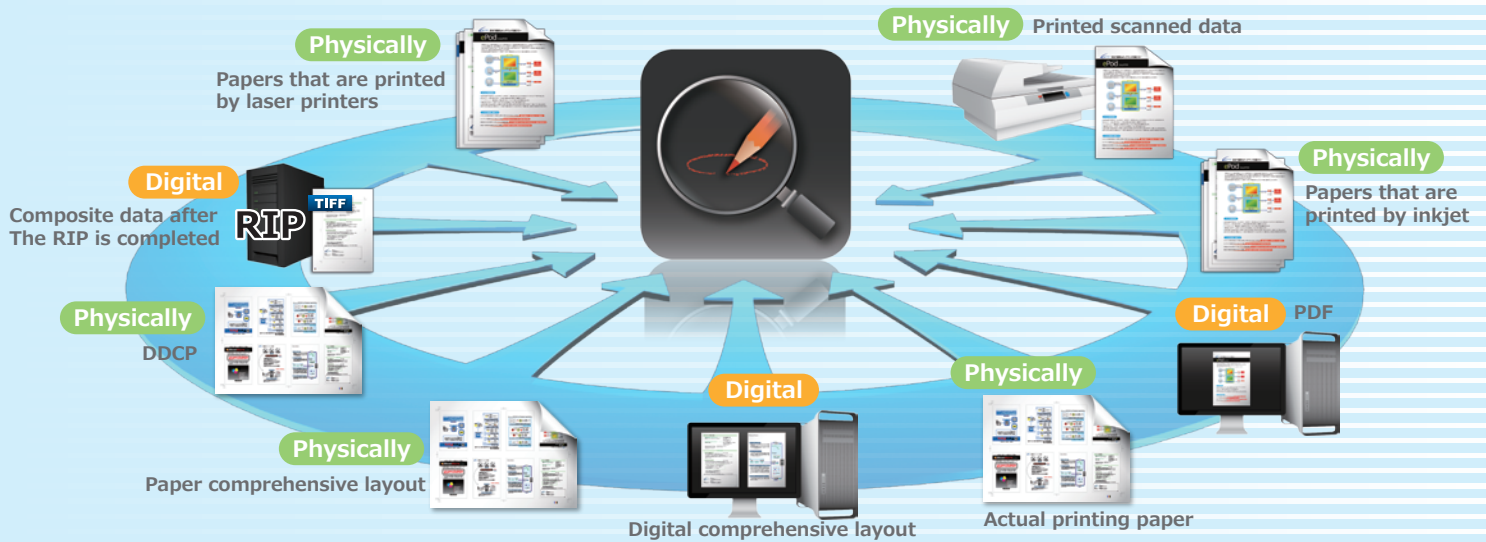


Inspection software suitable for every medium

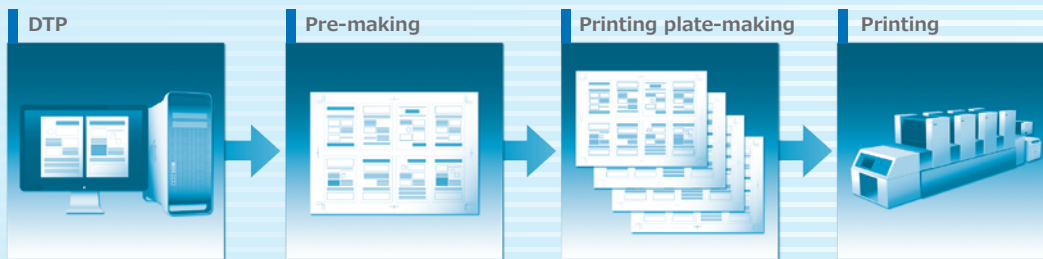


# Hallmarker ホールマーカ-

Whether it is printing physically data, digital data, individual pages or a sheet with paginated images, the Hallmarker can complete the inspection for any types of data.



## So, It can be used in various inspection processes !



### Reducing the chances of accidents while dramatically increasing the credibility of printed materials

Hallmarker includes the inspection engine EyeMine. It was developed in-house, and it can understand and judge ambiguity like the human eye. This feature makes it possible for EyeMine to complete inspection through any medium.

It is also possible to adjust paper expansion, shrinkage, rotation and correct errors due to smudging of characters at the time of printing, so that only errors related to printed contents are detected and reported.

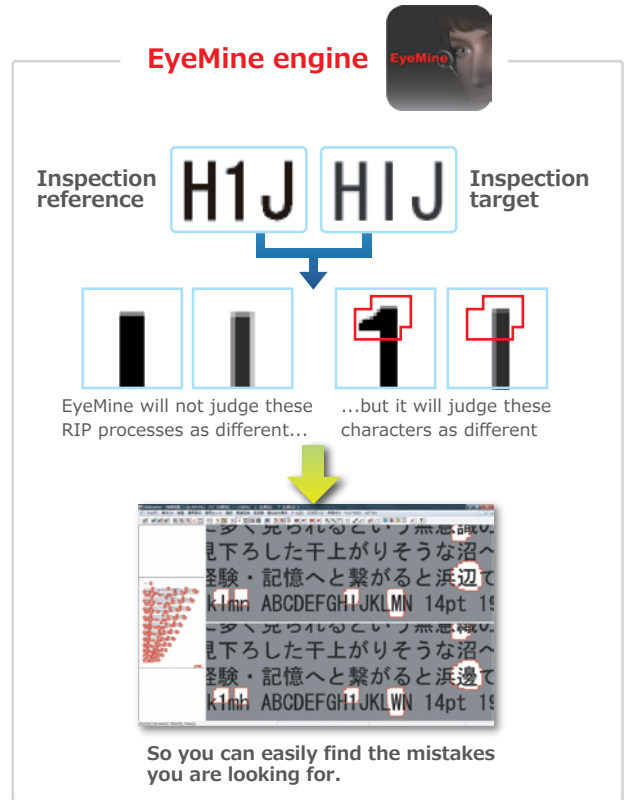
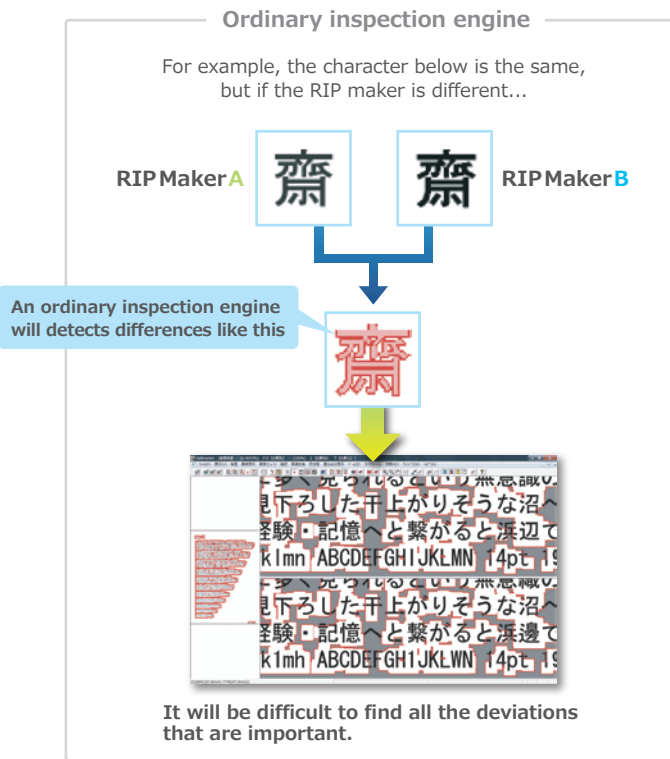
You can simultaneously output checking results to files with information such as name of the person in charge and comments. These files can be sorted by time and scope of checking and send these checking results and details with highlighted parts to clients and other departments in your company.

This is our solution to strengthening your relationship with your clients by building an end-to-end quality control process from draft submission in printing.

Inspection engine "EyeMine"

An ordinary inspection engine will detect the slightest differences in concentration and pixel difference. However, if the inspection engine detects every little difference, it will be the same as making everything as an error.

This is where EyeMine comes into play with its almost human sensibility.



Example of how this function works in Hallmarker

Inspection of the first proof and the second proof

Scan a master and sample copy to file, and then open each file with the Hallmarker wizard to begin inspection.

**POINT!** Easy operation using wizard

Open master → Open sample → Begin inspection → confirm inspection result

The first proof with instruction for correction

The second proof that is corrected

The first proof with instruction for correction

**POINT!**

Any deviations will be circled in a color of your choice. In addition to the deviations being clearly circled, the both sheets are then displayed with the deviations flashing to allow for easy inspection.

**Various settings**

Inspection precision can be set up and saved according to the contents

## ● A single image and a sheet with repeated images



## ● Various modes to confirm result

### ■ Individual pages and a sheet with paginated images

Even with paginated images, you can confirm result easily. There are two modes for viewing results - a mode in which you can view an overview sheet and a mode in which you can view each page individually.

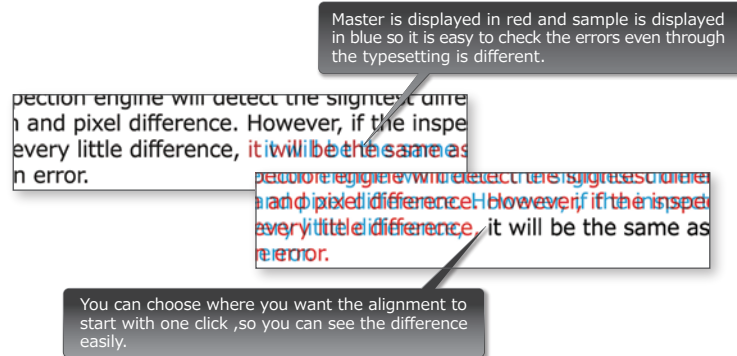


Checking each page individually

Checking all pages on a single sheet

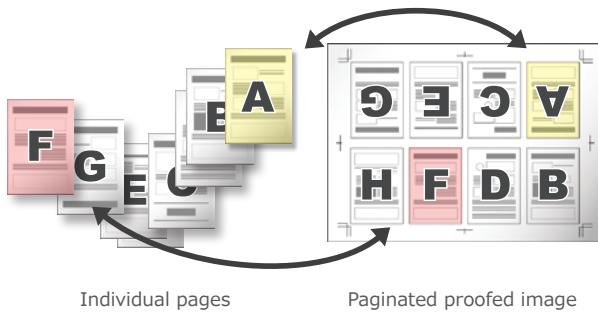
### ■ Visual inspection mode

It is also easy to check documents that have different layout and typesetting. Moves the cursor to the location where you want to check, and you can align highlighted area with one click.



## ● Individual pages and a sheet with paginated images

It automatically detects a single image from the paginated images, differences in rotation and begin inspection.

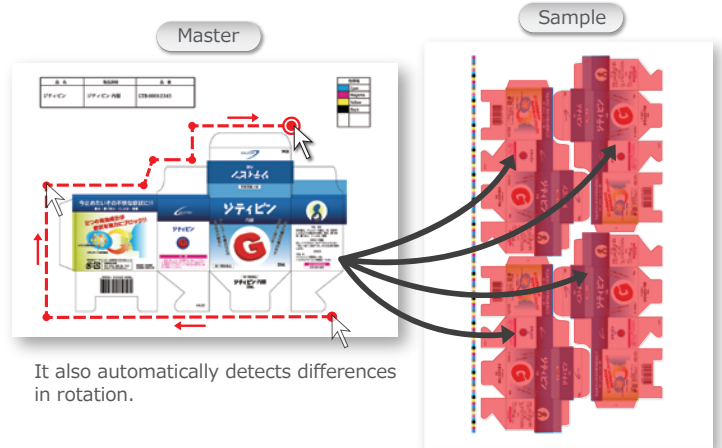


Individual pages

Paginated proofed image

## ● Complex paginated shapes like boxes

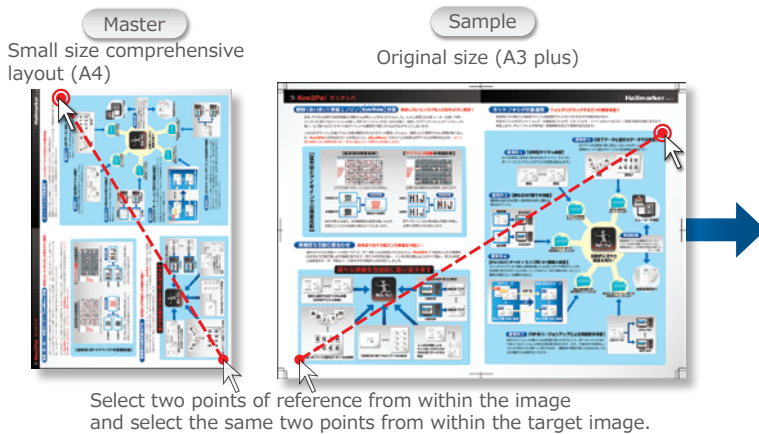
Even with complex paginated shapes like boxes, you can still indicate the desired area easily on a single image and begin inspection.



It also automatically detects differences in rotation.

## ● Inspection between different size and rotation

Even in cases where the size and rotation are different, it is easy to change it to the appropriate size.

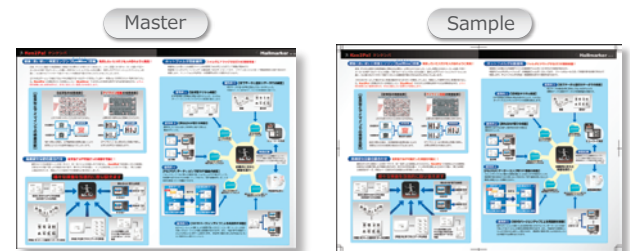


Small size comprehensive layout (A4)

Original size (A3 plus)

Select two points of reference from within the image and select the same two points from within the target image.

It automatically calculates the rate of enlargement and shrinkage and changes the image to the appropriate size.



Master

Sample

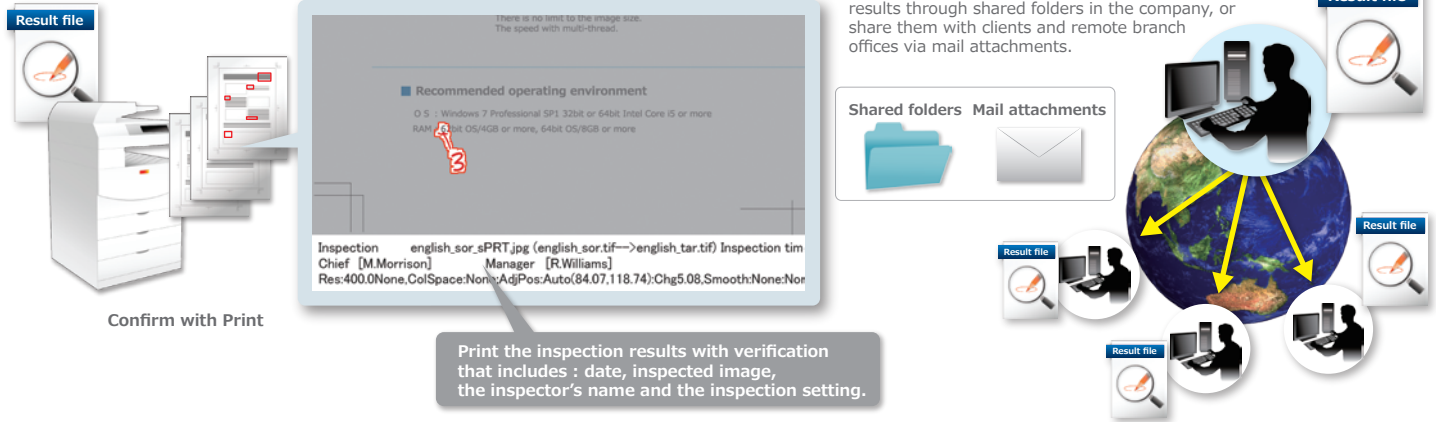
It also automatically detects differences in rotation and begin inspection.



## Check and share of the results

**HallmarkViewer** Check the inspection results with a viewer software that is free

Inspection results are confirmed with the exclusive "HallmarkViewer" viewer software that is free of charge. For example, with a distortion inspection, put the sample image on the distortion display (blinking display) and the errors will be circled in the color of your choice. Also a halftone display can be set for sections with no errors, so you can check the results without overlooking any part. This is a free installable software, so persons-in-charge and clients can easily confirm the inspection results on their PCs.



## Option

### ● Option for color profile creation and color space correction

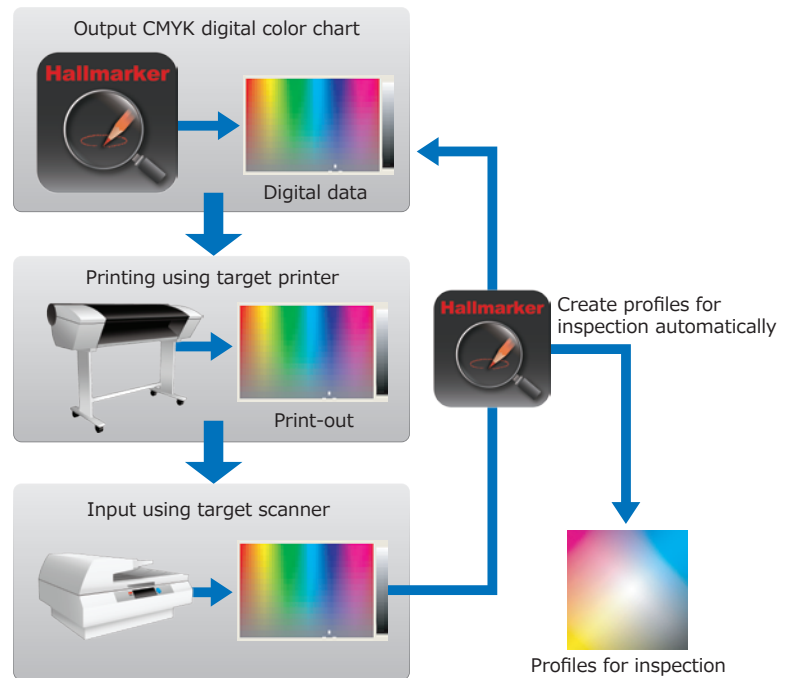
A color chart provided by Hallmarker can be printed out with your regular printer, and you can compare data input with a scanner with the original chart to automatically create profiles for color combinations. In this way you can check devices that have different color ranges such as combinations of CMYK and RGB.

### ● Option for inspection between digital data

This option is necessary to compare and check digital data items after The RIP. Fine gradation differences can be detected, achieving rapid checking.

### ● Option for automatic checking with connected scanners

After using Hallmarker to read the master images, place the sample images in the scanner and Hallmarker will start inspecting the scanned sample images. While the inspection is running it will simultaneously adjust positioning, and the result will be either saved or displayed depending on which option is checked off.



## Operating environment

### ■ Possible inspection size

**Hallmarker for Proof**  
A3 Plus (329 x 530mm / Equivalent to 400dpi)

**Hallmarker for Print**  
There is no limit to the image size.

**Hallmarker 64bit**  
There is no limit to the image size.  
The speed with multi-thread.

### ■ Recommended operating environment

O S : Windows 7 Professional SP1 32bit or 64bit Intel Core i5 or more  
RAM : 32bit OS/4GB or more, 64bit OS/8GB or more



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