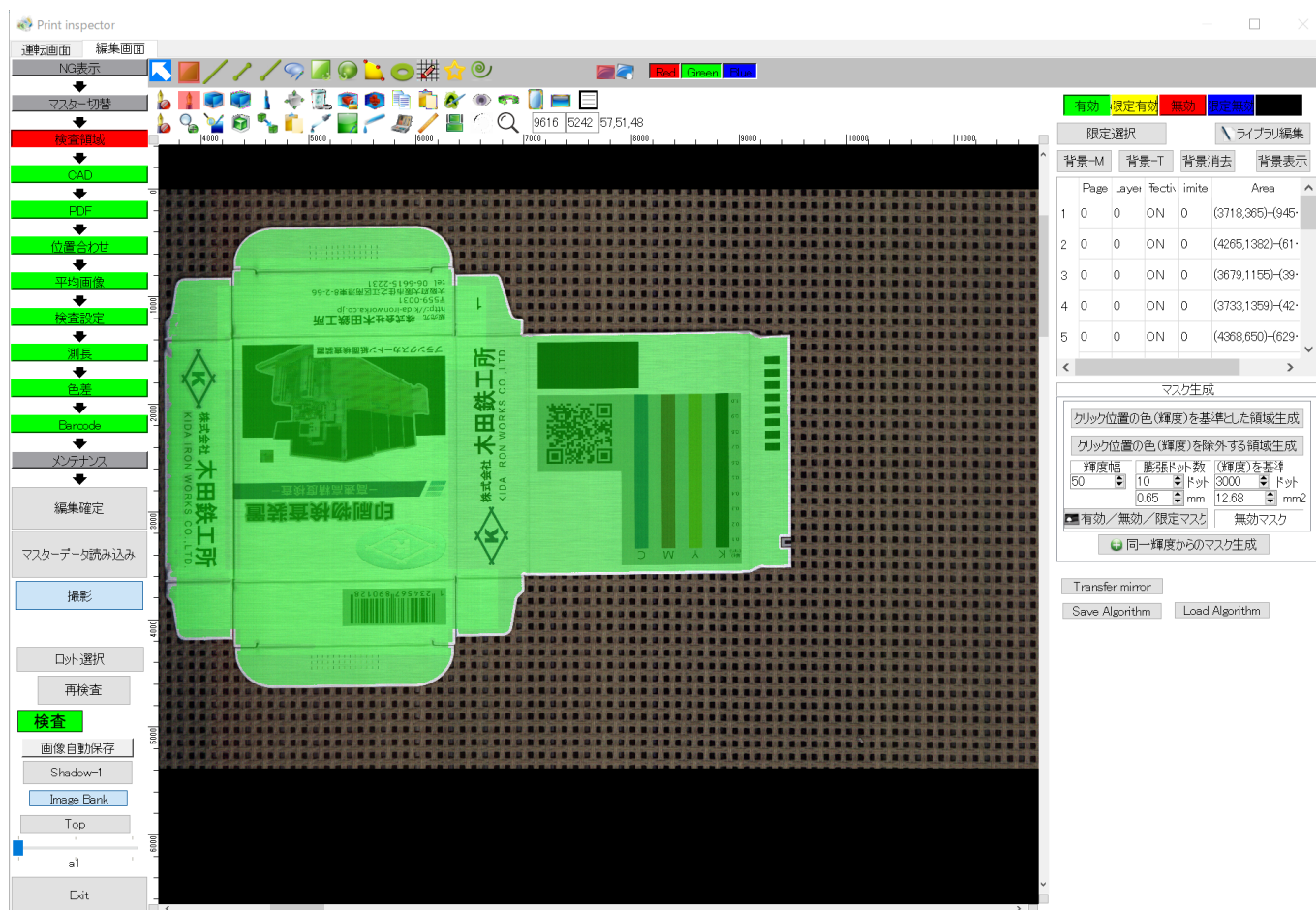


MaskingManual

C r e a t o r	Megatrade Co., Ltd.
D a t e o f C r e a t i o n	June 30, 2026
L a s t u p d a t e d	June 30, 2026

Examination Areas



It is displayed like this.

Types of masks

- Effective mask Represents and sets the unspecified inspection area.
- Limited Validity Mask Set the inspection area to specify the algorithm to process
- Invalid mask Represents and sets unspecified areas that are not to be inspected.
- Limited Void Mask Specify the algorithm to process and set the area not to be inspected

When multiple areas overlap, "Disabled Mask" is given the highest priority.

Other than that, please configure settings such as libraries.

Therefore, the priority of processing changes.

In the case of DotColorMatching,

Limited invalid masks⇒ limited valid masks⇒ valid masks

Generally, the order is determined and processed

Setting Effective Masks

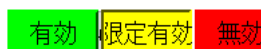


Draw the mask area while pressing down the effective mask.



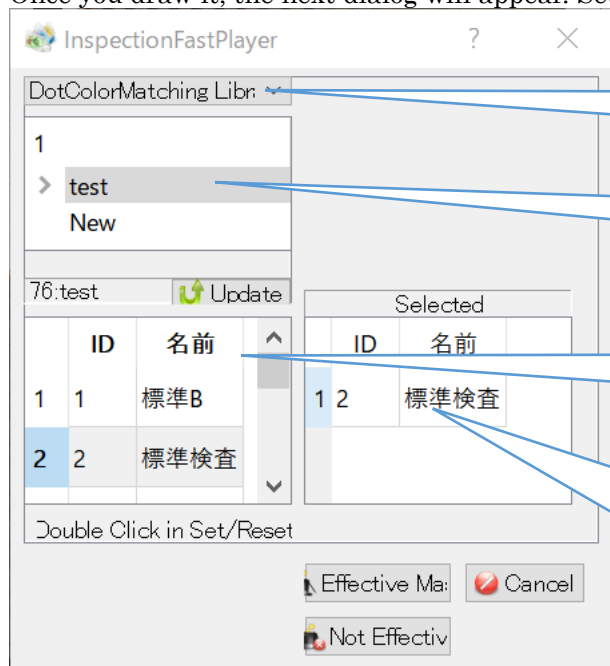
Draw on the image like this. By switching with the shape specification icon, you can draw in various shapes.

Setting Limited Effective Masks



Draw the mask area while pressing down the limited effective mask.

Once you draw it, the next dialog will appear. Set "What to identify" in this dialog



1: Select an algorithm

2: Select the library hierarchy

3: Select the library you want to identify. Select it by double-clicking.

4: The libraries listed here will be configured. You can unlock it by double-clicking. Multiple settings are possible.

Effective Mask When you press the button, a limited effective mask is set in the library you set

Not Effective Mask When you press the button, a limited disable mask is set in the library you set

Setting up invalid masks



Press down the disable button to draw the area.

Automatic Domain Extraction

Two types of automatic extraction can be performed

- 1: Extract the color range area centered on the color at the mouse clicked position

マスク生成

1: Press this button down

2: Set various settings for the extraction area

3: Set the type of mask to be generated

クリック位置の色(輝度)を基準とした領域生成
 クリック位置の色(輝度)を除外する領域生成

輝度幅 80 拡張ドット数 10 (輝度)を基準 ドット 3000 除去ノイズ ドット 3 Do
 0.65 mm 12.68 mm2

有効/無効/限定マスク 有効マスク

同一輝度からのマスク生成
 選択領域の輪郭部分に生成

After setting these settings and clicking on the image with your mouse, automatic extraction → mask generation will be executed.

< setting value>

luminance range Setting the luminance range at $\pm$ for the R/G/B brightness values of pixel colors clicked with the mouse I decide.

If the value is large, it can be slightly different from the pixel you clicked with the mouse.

Extract expansion dot Set the number of pixels to expand when generating a mask for the extracted area.

If you want to shrink, set a negative value

Lower limit of extraction size Here, the area larger than the set area is extracted.

- 2: Extract the area other than the mouse click and set it as a mask

⇒ mainly used to remove the background and extract only the workpiece.

マスク生成

1: Press this button down.

2: Configure various settings for the area to be extracted. The explanation is the same as

3: Set the type of mask to generate.

クリック位置の色(輝度)を基準とした領域生成
 クリック位置の色(輝度)を除外する領域生成

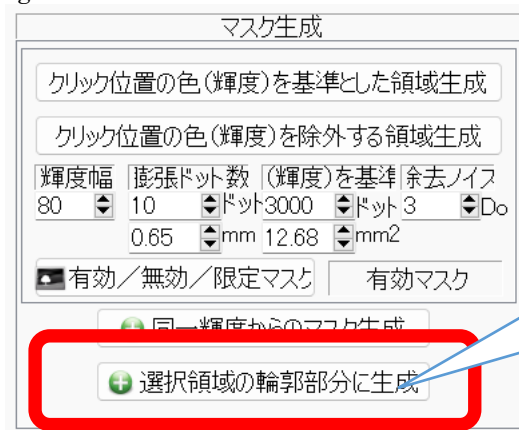
輝度幅 80 拡張ドット数 10 (輝度)を基準 ドット 3000 除去ノイズ ドット 3 Do
 0.65 mm 12.68 mm2

有効/無効/限定マスク 有効マスク

同一輝度からのマスク生成
 選択領域の輪郭部分に生成

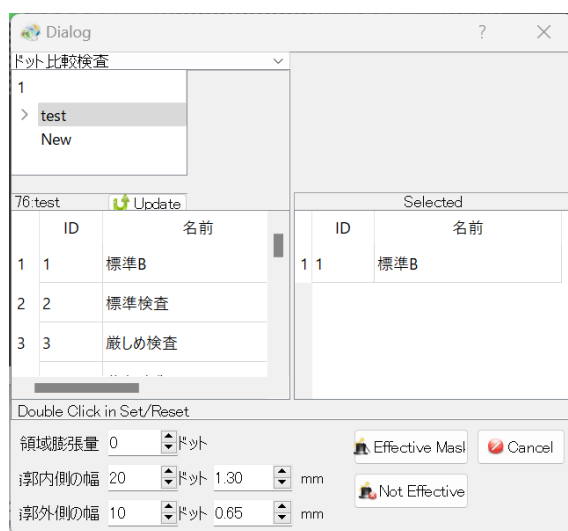
After setting these settings and clicking on the image with your mouse, automatic extraction → mask generation will be executed.

3: Creating contour areas



Select the area you want to create the outline in the selected state and press this button.

Pressing this button will display the next dialog



Select the exclusive library you want to set. (If not selected, the mask will be normal active/invalid)

Area Expansion: Expands the selected area.

Inner contour width: The inner width of the generated contour

Outer contour width: The width outside the generated contour

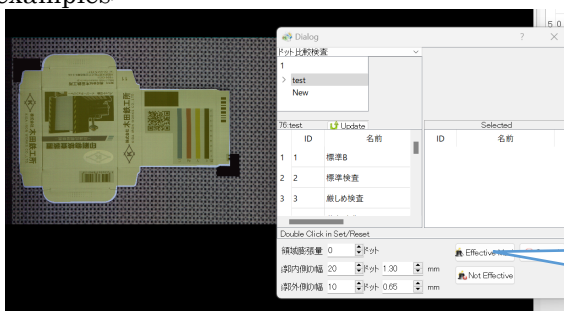
Effective Mask

Create an effective mask

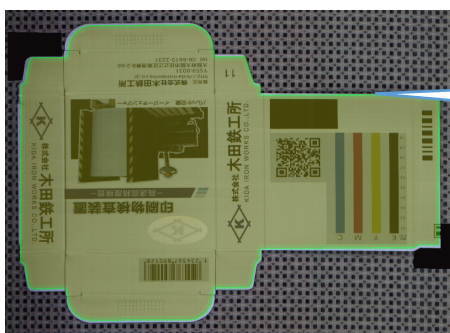
Not Effective Mask

Create an invalid mask

< usage examples >



Generate effective masks



A mask was generated in the contour region