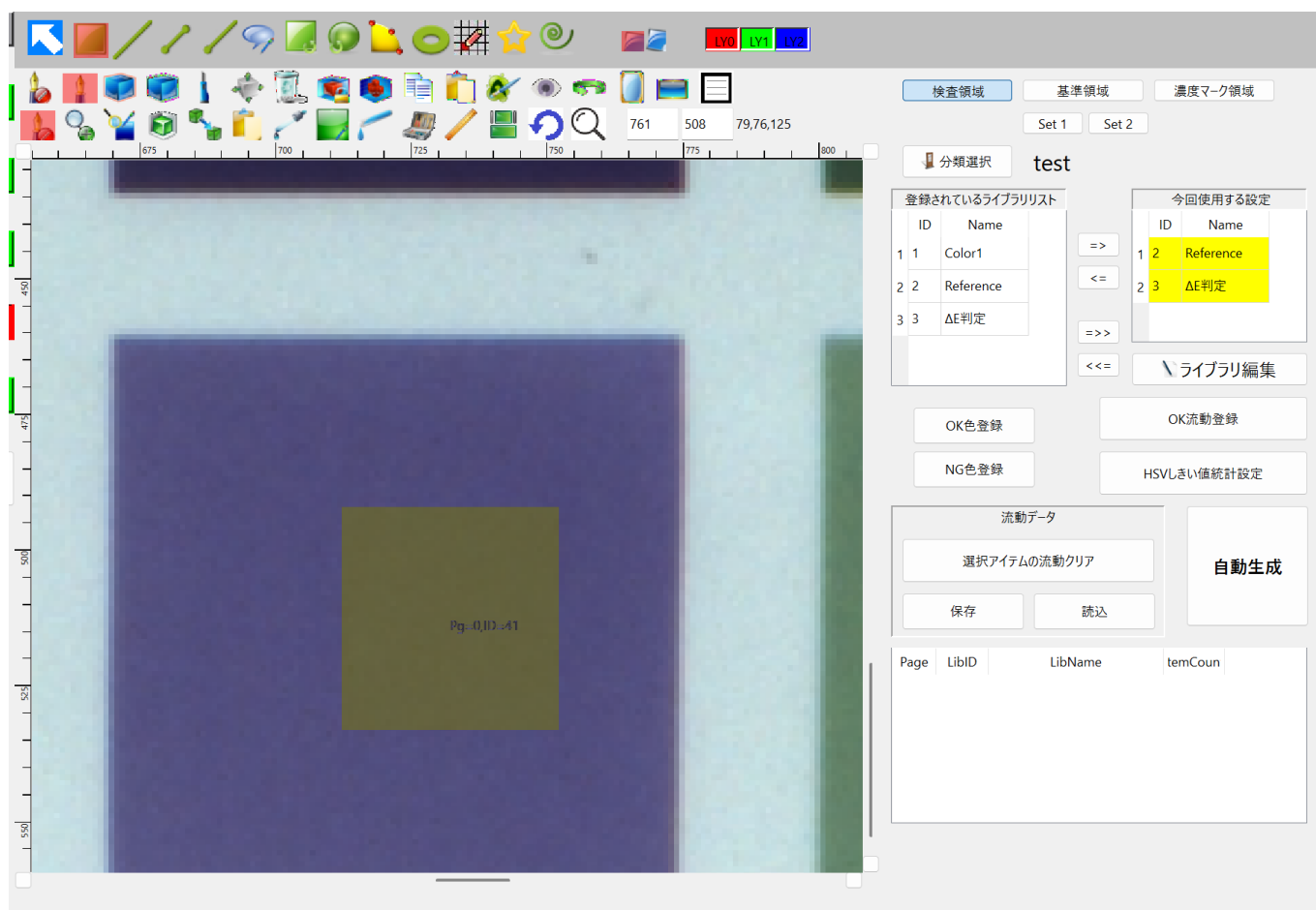


Color Difference Manual

C r e a t o r	Megatrade Co., Ltd.
D a t e o f C r e a t i o n	August 18, 2026
L a s t u p d a t e d	August 18, 2026

Examination Areas



The following two types of color inspections are available.

Reference area. Set the area to reference the color.
Specify color calibration workpieces that do not deteriorate over time.

ΔE Determination Domain Specify the area to be inspected by color.
It can be determined by RGB, ΔE , and concentration

Testing Methods When the reference area is not set,
it is compared with the master image for inspection
When the reference area is set,

The color difference in the reference area between the master image and the inspection image is added as an offset, and the inspection area.

Calculate the color difference between the master image and the inspection image and judge it by the threshold value.

How to set it up

- 1: In the settings you'll be using this time, select the type of area you want to draw
- 2: Draw the area.

* For the color difference area and reference area, set the area for the solid color of the single color. The gradient and pattern parts. It cannot be calculated precisely.

* Color calculations are more stable when using a larger area.

※ To ensure the same color can be achieved even if misalignment occurs, please leave a margin of at least a few pixels around the area

threshold setting

On the inspection screen, the color difference inspection area is displayed with the Shift + Click button.

ItemID=50

領域名称

名称設定

OK NG

現在色

削除 削除

判定

	RGB	HSV	LAB	濃度
参照点1	105.9,113.8,115.9	192.8,22.0,115.9	34.9,-13.6,-10.6	
参照点2	0.0,0.0,0.0	0.0,0.0,0.0	-16.0,0.0,0.0	
マスター	78.9,76.0,124.9	243.5,100.2,124.9	20.3,4.1,-38.4	
検査	78.9,76.0,124.9	234.6,59.6,240.8	20.3,4.1,-38.4	

採用率 (%) 75.00

☐ 常に結果出力 (トレンド管理)

判定方法 DeltaEで判定

ΔEしきい値 2.50 手動補正

濃度差しきい値 5.00 手動補正

H S V

容差異 5.00

Sのの許容差異 10.00

の許容差異 10.00

の許容差異 20.00

の許容差異 10.00

このブロックだけに反映

同一種類のブロックに反映

ライブラリに

ライブラリから読み出し

閉じる

位置合わせで移動する

OK色との距離 49.375

NG色との距離 0.000

ΔE 49.375

濃度差

	H	S	V
流動中心	0	0	
検査差異	234.642	59.5753	05
シグマ	0	0	

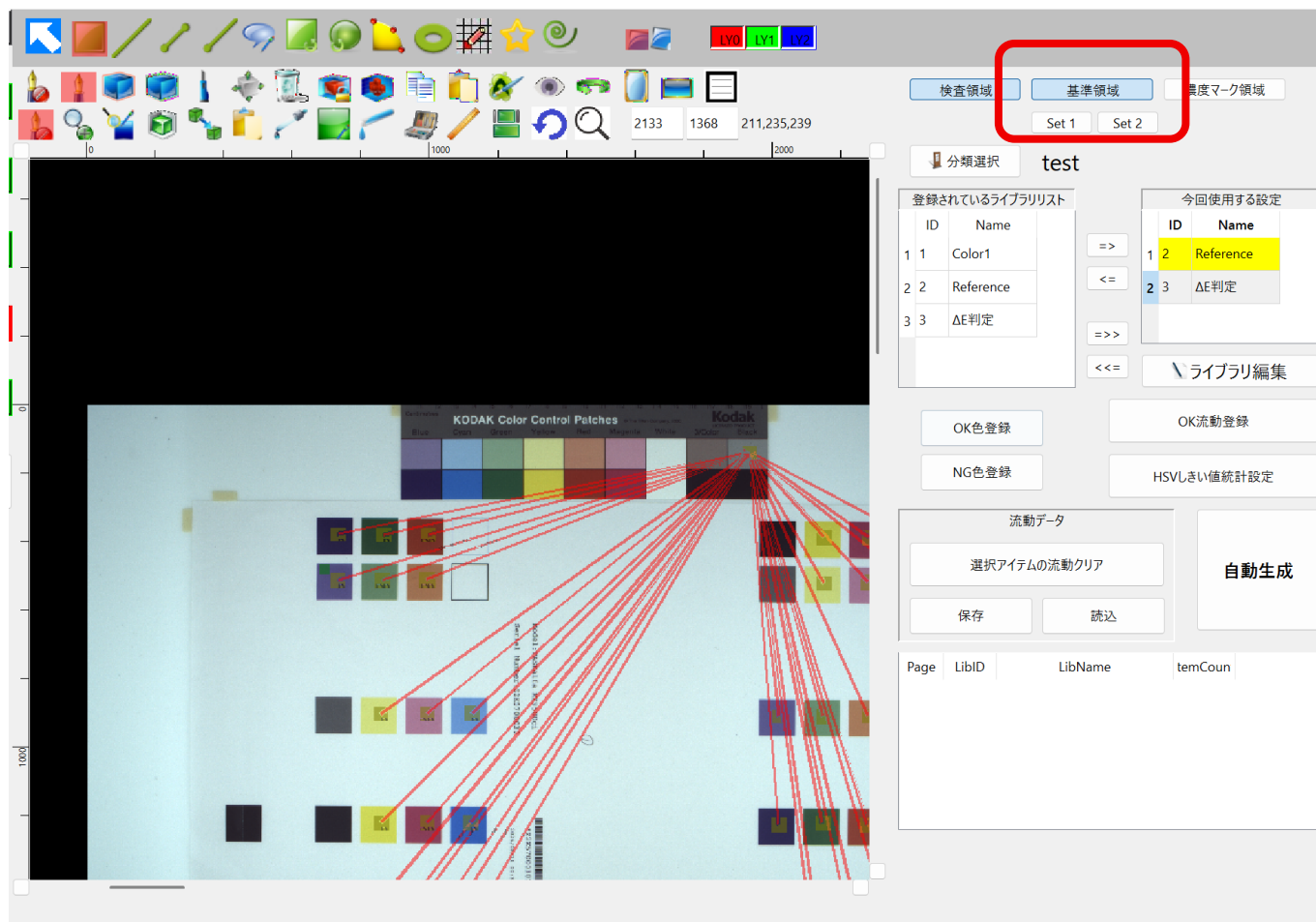
流動リスト出

Set the determination method and threshold.
Δ E, setting the concentration threshold.

The results of this inspection will be displayed.

References

Each inspection area can be displayed and set which reference area to reference.



By pressing the reference area button, arrows indicate which reference area the inspection area in the selected state is referring to.

You can refer to one or two reference areas.

How to set it up

1: Select the inspection area you want to set and the area you want to reference.

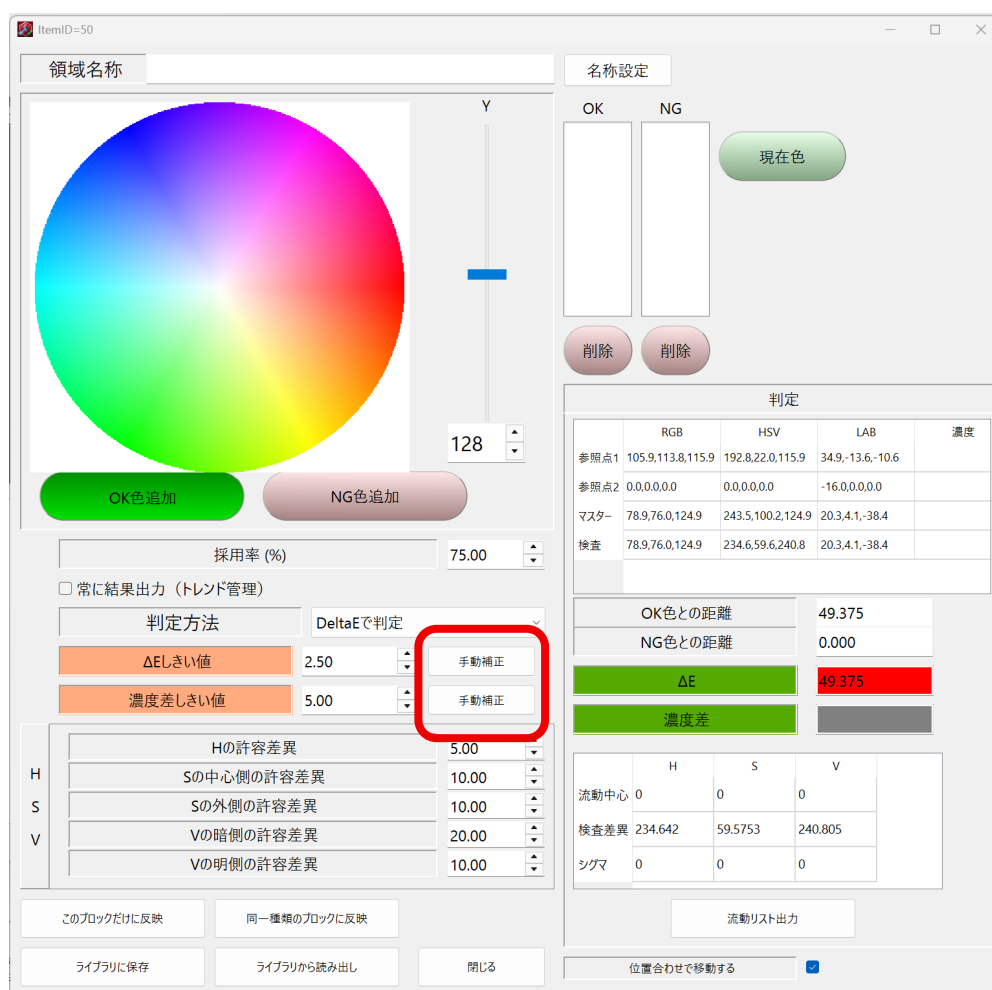
By selecting the inspection area, the referenced area is displayed as a line connected by a line.

2: Press the "Set 1" or "Set 2" button.

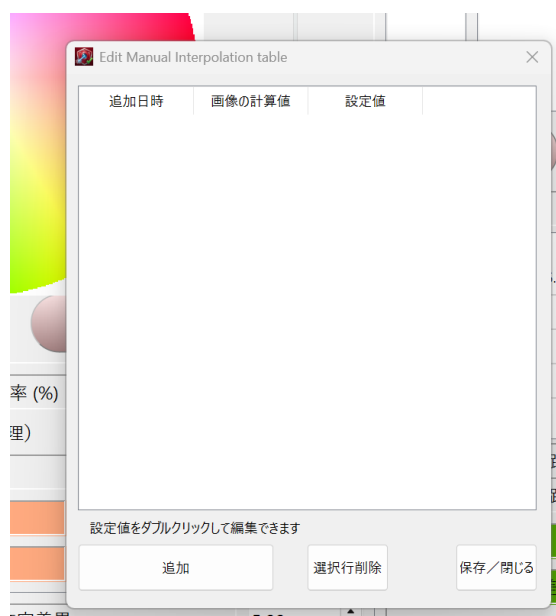
This will connect the two newly selected areas with arrows

manual correction

On the inspection screen, the color difference inspection area is displayed with the Shift + Click button. This function corrects the measured values for ΔE and concentration differences measured by other instruments.



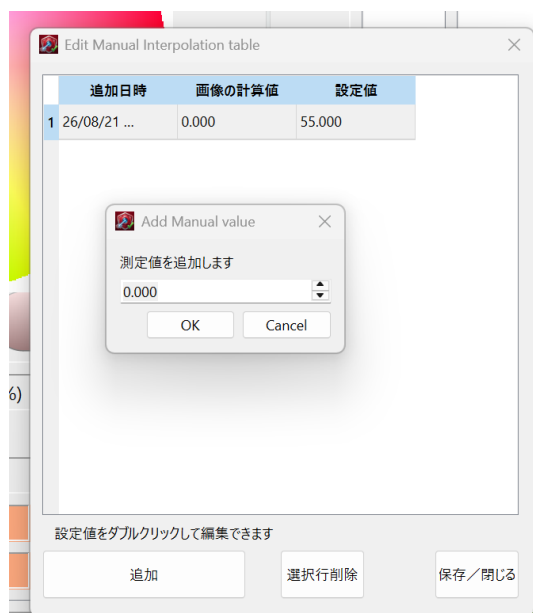
Press the 'Manual Correction' button for ΔE or concentration difference



A screen like this will appear.

This is based on the values tested (measured) this time.
This is a function to enter correction values.

* Therefore, it is necessary to photograph the workpiece to be corrected and perform inspection processing.



Pressing the "Add" button will display the correction value input window.

The corrected values are internally spline completion,

If it falls outside the set range, it is calculated using line interpolation.