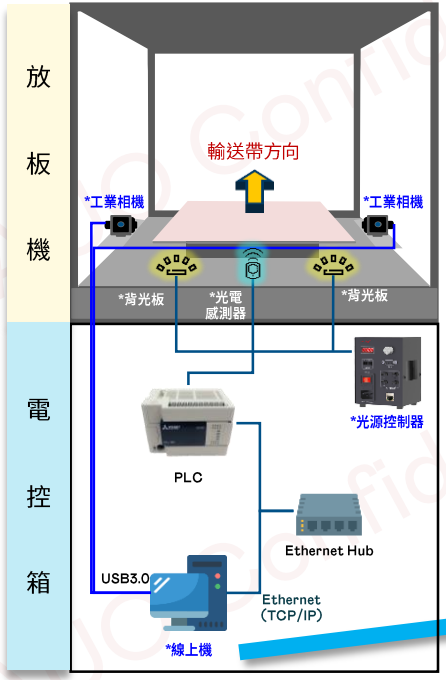
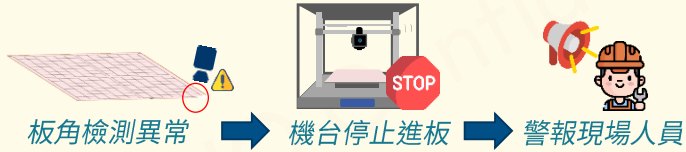
HaloPX PCB翹曲量測系統

設備架設示意



視覺翹曲檢測

流程簡圖



功能模塊

主頁面顯示

- 翹曲檢測畫面
- 翹曲高度(mm)
- 翹曲軌跡曲線圖

子頁面設定

- 卡板高度閥值 (mm)
- Pass Line設定

Offline資料儲存

- 檢測結果影像 (.jpg)
- 檢測結果 logs (.csv)

註: 翹曲閥值預設10mm, 可到設定頁面調整

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HaloPX PCB翹曲量測系統

系統頁面功能 – 主頁面

即時檢測畫面

最近1筆檢測結果

系統設定
(Baseline, 異常上限值)

PCB翹曲曲線圖

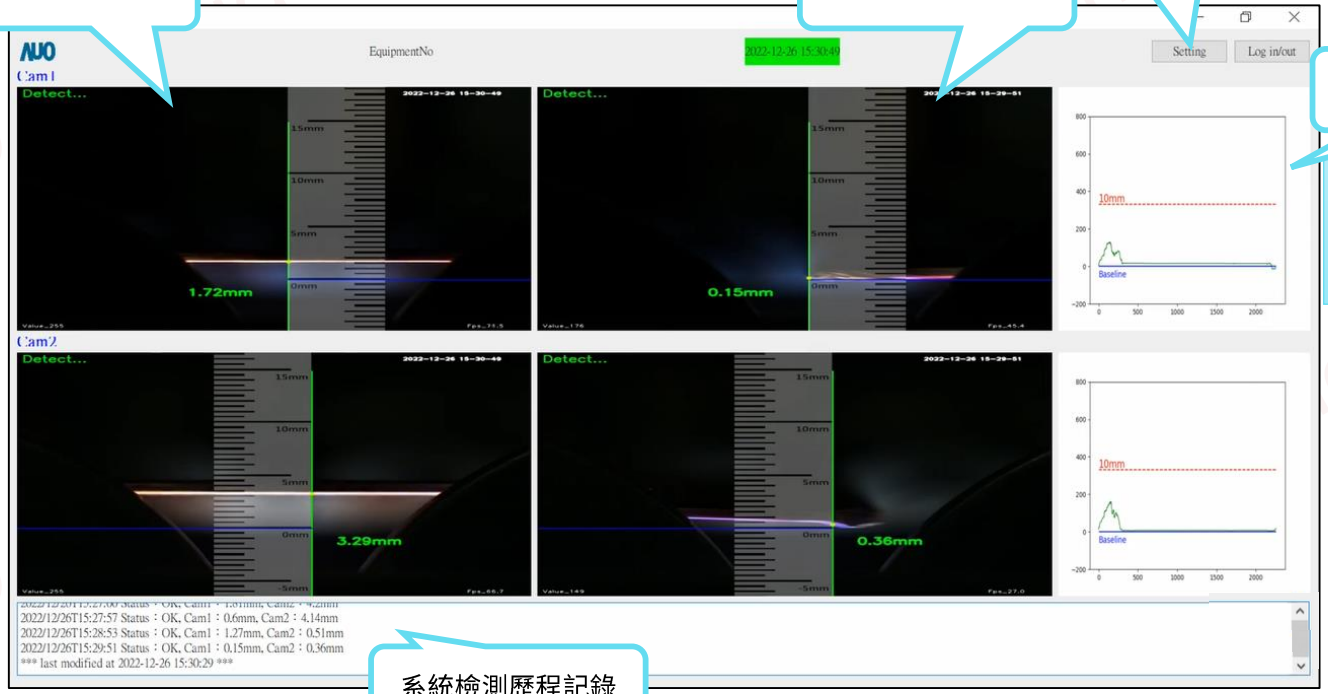
翹曲上下限值

PCB翹曲曲線

輸送帶基準線

PCB
左側檢測

PCB
右側檢測



系統檢測歷程記錄

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HaloPX PCB翹曲量測系統

系統頁面功能 – 設定頁面

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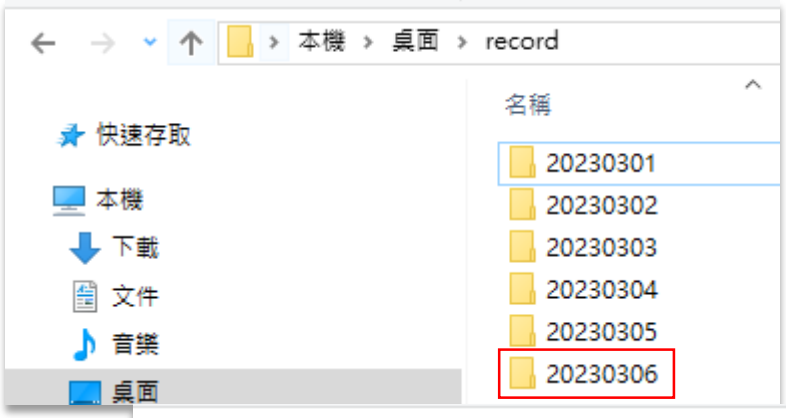
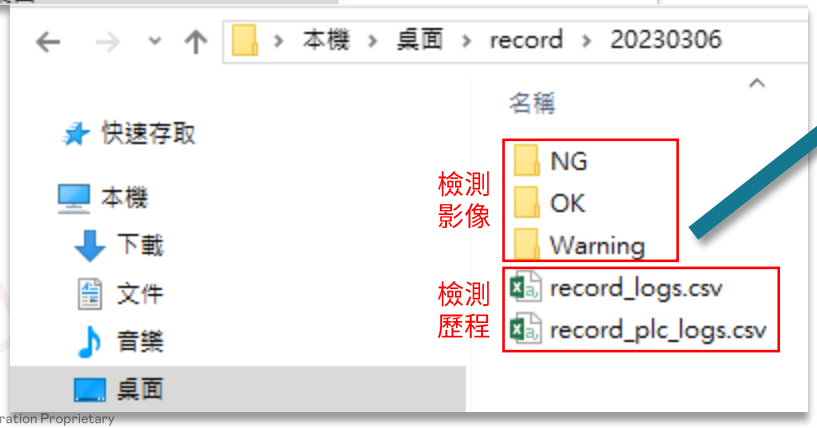
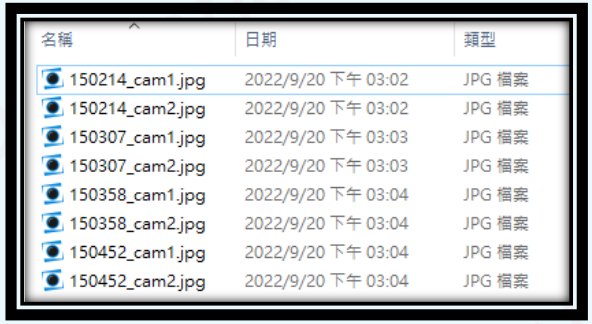
HaloPX PCB翹曲量測系統

支援輸出檢測紀錄檔

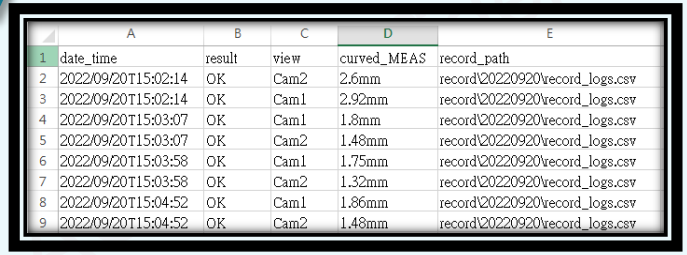






名稱	日期	類型
150214_cam1.jpg	2022/9/20 下午 03:02	JPG 檔案
150214_cam2.jpg	2022/9/20 下午 03:02	JPG 檔案
150307_cam1.jpg	2022/9/20 下午 03:03	JPG 檔案
150307_cam2.jpg	2022/9/20 下午 03:03	JPG 檔案
150358_cam1.jpg	2022/9/20 下午 03:04	JPG 檔案
150358_cam2.jpg	2022/9/20 下午 03:04	JPG 檔案
150452_cam1.jpg	2022/9/20 下午 03:04	JPG 檔案
150452_cam2.jpg	2022/9/20 下午 03:04	JPG 檔案

1. 檢測影像



	A	B	C	D	E
1	date_time	result	view	curved_MEAS	record_path
2	2022/09/20T15:02:14	OK	Cam2	2.6mm	record\20220920\record_logs.csv
3	2022/09/20T15:02:14	OK	Cam1	2.92mm	record\20220920\record_logs.csv
4	2022/09/20T15:03:07	OK	Cam1	1.8mm	record\20220920\record_logs.csv
5	2022/09/20T15:03:07	OK	Cam2	1.48mm	record\20220920\record_logs.csv
6	2022/09/20T15:03:58	OK	Cam1	1.75mm	record\20220920\record_logs.csv
7	2022/09/20T15:03:58	OK	Cam2	1.32mm	record\20220920\record_logs.csv
8	2022/09/20T15:04:52	OK	Cam1	1.86mm	record\20220920\record_logs.csv
9	2022/09/20T15:04:52	OK	Cam2	1.48mm	record\20220920\record_logs.csv

2. 檢測歷程 logs (.csv)

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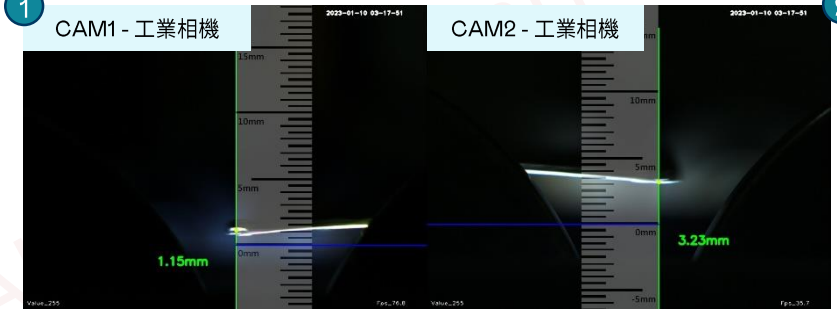
HaloPX PCB翹曲量測系統

檢測結果展示

1



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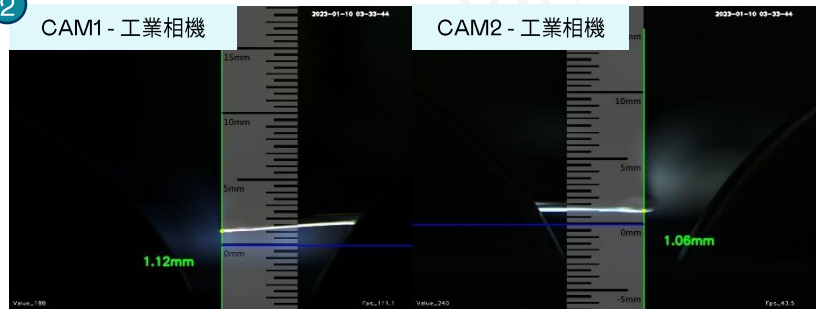

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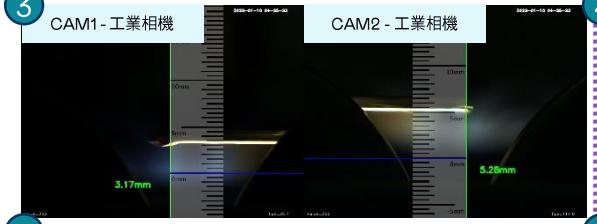

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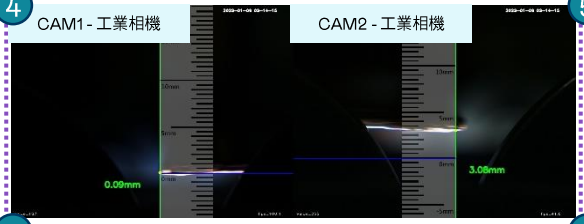

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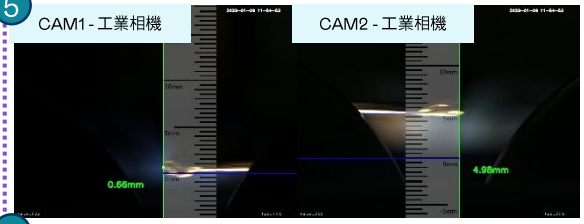

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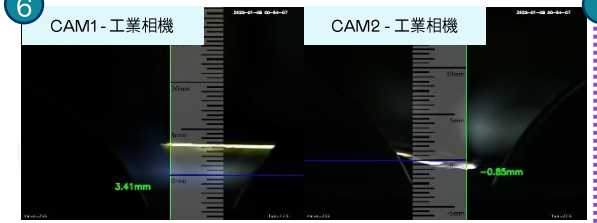

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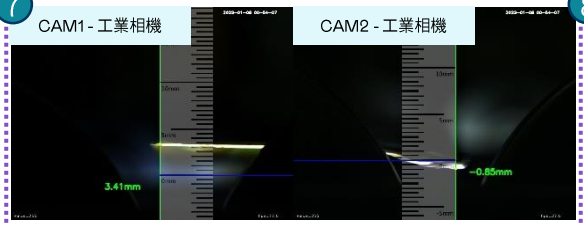
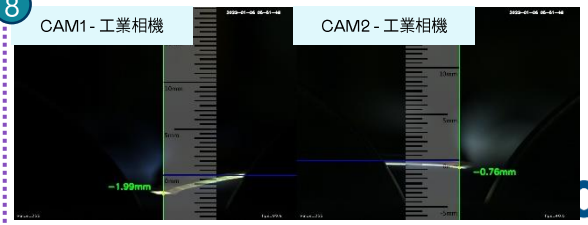


8



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Tap Into The Possibilities