Test Data Extract Tool

Requirement Document

1. This software is for extracting the test result from every test report of fixtures to a single excel file in order to analysis the fixtures production status.
2. We have 4 stations in this production line: Driver PCA Test Station using Fixture Test Engine (FTE); LED PCA Inspector Test Station using LED Inspector Test Software; Fixture Light Measurement using Multi-Segment Light Measurement Test Software (MSLM); LED Assembly Inspector Test Station.
3. Different test software will generate different test report for fixtures. Due to the author of the software is different, so the report (in CSV format) format is different. Information inside need to distinguish.
4. In CSV file, we have different cell’s info, so how to use this to generate from a test report file to a row in excel file is a crucial task.

Data We Need

1. For FTE station.

Power and Current at 100V/120V/230V/277V

1. For LED PCA Inspector Station

LED Color (Hue, Saturation) and Brightness

1. For MSLM Station

Power and Current at 120V at assembly level, Total Brightness, Color (u’, v’), CCT for each feet

1. For LED ASY Inspector Station

After Burn-in, LED Color (Hue, Saturation) and Brightness at assembly level

Software Workflow:

1 Collect the CSV files to one folder. These CSV files must have the same structure from same test software and same model.

2 Open one CSV file in software for sample.

3 The file will display as a table in the software.

4 Select cells for output excel file’s first row (title).

5 Select cells for output excel file’s second row (one DTU’s test result).

6 Click generate

7 Other function: Statistical and plot.