

YT1100 Series

Auto-Testing & Sorting Solution

LED TESTER

LED測試機

INTRODUCTION



YT1100 Series

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業界最高性價比

LED測試機

LED Testing & Sorting Equipment





YTEC

久元電子

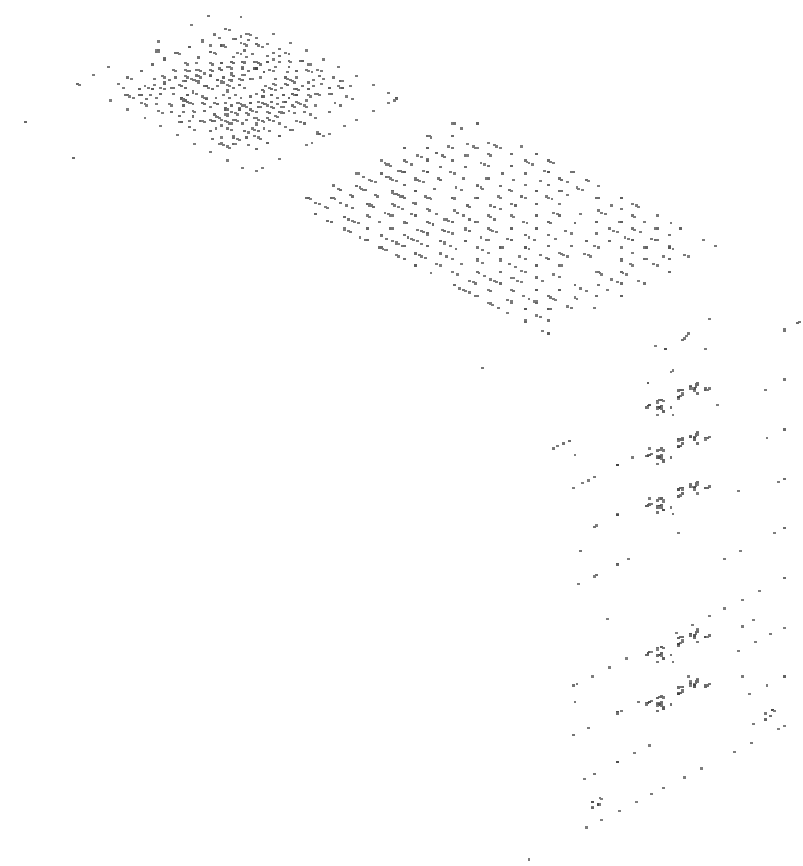
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About YT1100

YT1100是一台高速多站的LED測試機，具有LED電性、光學特性等量測功能，可單機使用亦可搭配多種自動機台應用。

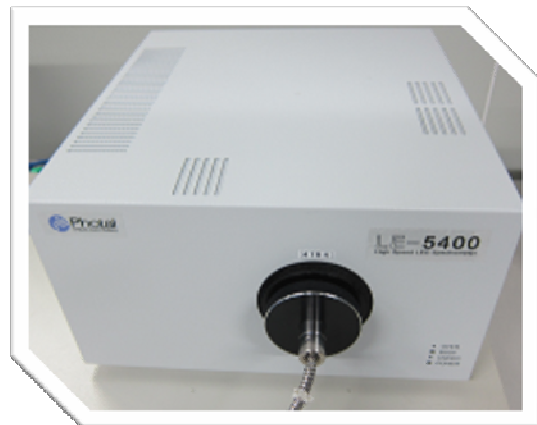


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About YT1100



- 整合Ocean及大塚分光卡做為LED光學量測
- 可搭配積分球或ESD設備進行量測



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Features

- 具有電流、電壓、光學特性等曲線分析工具。
- 可選配ESD（靜電放電）4KV 設備做大電壓打擊測試。
- LED、LED Chip光學及電性量測（FT、CP）
- 可搭配分類、包裝、點膠機、Prober用於不同製程量產使用。
- 搭配不同收光孔徑光纖及各尺寸積分球做MCD及LM光學量測
- 量測資料易於Excel結合，以便於統計報表及分析，作為量產管理及品質改善應用。
- 抽取式電路板規劃，維護保養容易。
- 相容WinXP、Win 7平臺，人性化介面設計。
- 支援256組分BIN 條件設定功能。
- 支援IR紅外光波段分光卡

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Specification

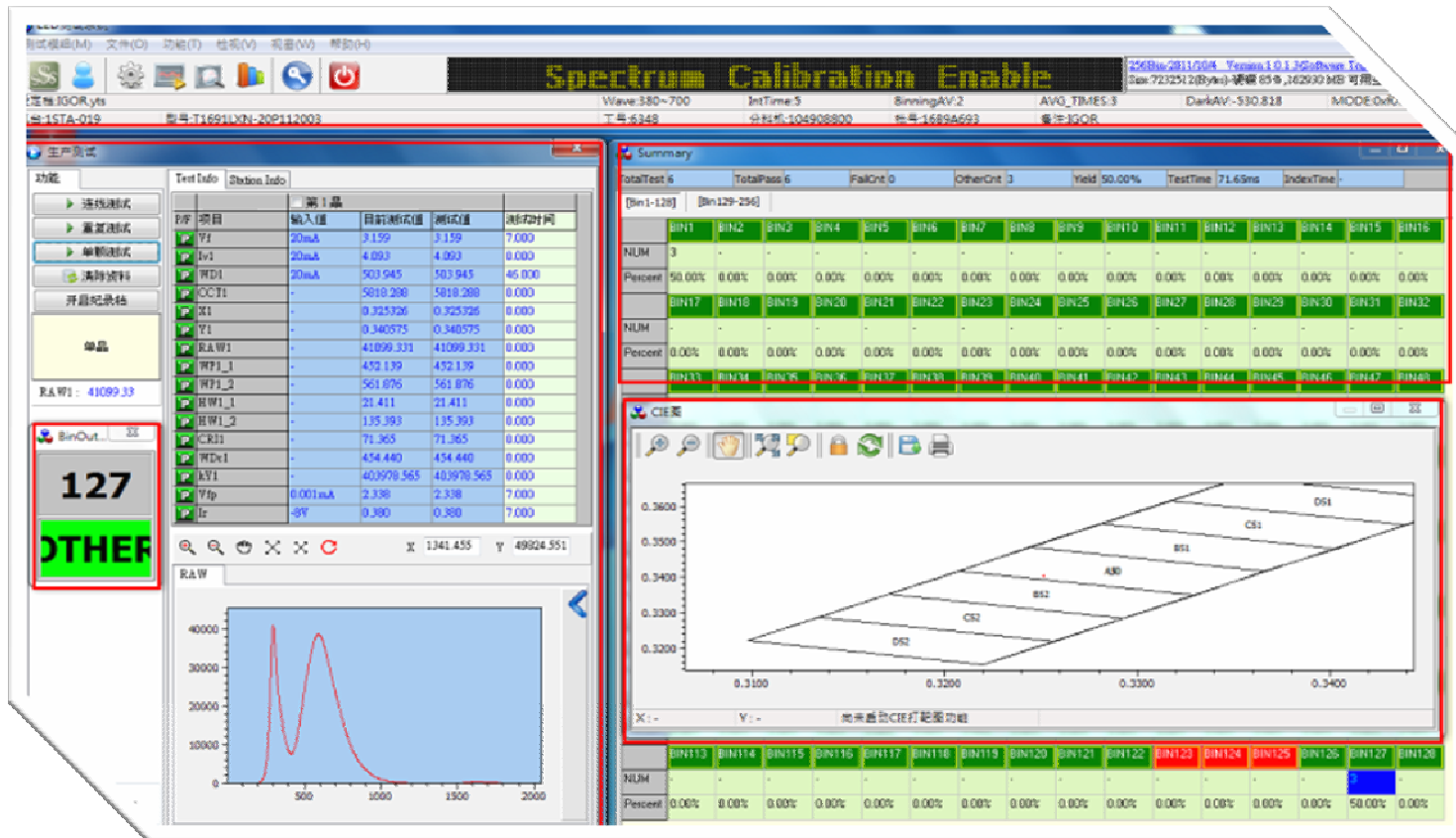
設備尺寸	500(L)x500(W)x200(H)mm
設備重量	20 KG
LED Test Board	三組PMU(Parameter Measurement Unit) 、一組LMU(Light measure unit)
訊號傳輸	TTL訊號輸出
控制界面系統	中英文及簡體界面設定切換
供應電源	AC 110/220V 10A, Single Phase, 50~ 60Hz
電性量測範圍	-40V ~ 15V / -1A ~ 1A
電壓精度	E1 ~ E4 (0.05% of range)
電性精度	I1 ~ I2 ($\pm 5\text{nA}$) / I3 ~ I7 (0.05% of range)
電性測項	Open short 、VF 、VR 、IF 、IR 、Delta VF 、VSCR
光譜量測範圍	350nm ~ 1000nm
光學測項	MCD 、MW 、LM 、CIE x,y 、WD 、WP 、CCT 、CRI

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Our Advantage

主要量測畫面，可做視窗自訂，分Bin及色塊圖等資訊即時顯現



The screenshot displays the software interface for the YT1100 Series LED Tester. Key features include:

- Test Info Table:** A table listing test parameters and results.

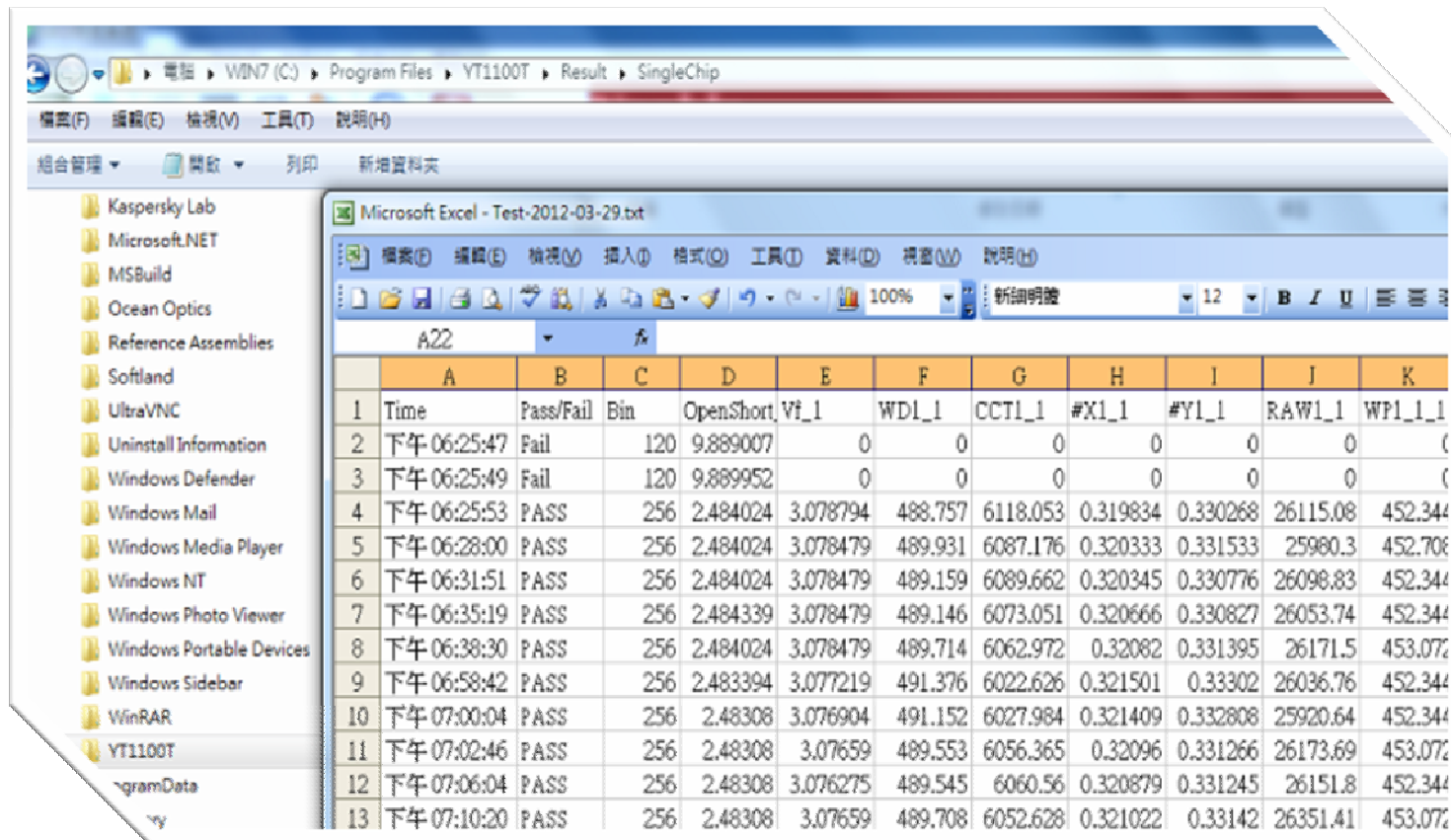
項目	輸入值	目前測試值	測試目標	測試時間
Yf	20mA	3.159	3.159	7.000
Iv1	20mA	4.093	4.093	0.000
IFD1	20mA	503.945	503.945	46.000
ICC11	-	5818.208	5818.208	0.000
Xi	-	0.325326	0.325326	0.000
YI	-	0.340575	0.340575	0.000
RAW1	-	41099.331	41099.331	0.000
WFI_1	-	452.139	452.139	0.000
WFI_2	-	561.876	561.876	0.000
HW1_1	-	21.411	21.411	0.000
HW1_2	-	135.393	135.393	0.000
CR11	-	71.365	71.365	0.000
WDx1	-	454.440	454.440	0.000
KV1	-	403978.565	403978.565	0.000
Wfp	0.001mA	2.338	2.338	7.000
Iz	-9V	0.380	0.380	7.000
- Summary Table:** A table showing test results for various bins.

totalTest 6	TotalPass 6	FailCnt 0	OtherCnt 0	Yield 50.00%	TestTime 71.69ms	IndexTime
[Bin1-128]	[Bin129-256]					
NUM 3						
Percent 50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
- CIE Diagram:** A 3D plot showing the color distribution of the LED samples, with axes for X, Y, and Z coordinates.
- Histogram:** A graph showing the distribution of test results, with a peak around 500 units.
- BinOut Window:** A small window displaying the current bin number '127' and the category 'OTHER'.

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每筆量測Data自動儲存且與Excel相容，易於做後段統計及分析



	A	B	C	D	E	F	G	H	I	J	K
1	Time	Pass/Fail	Bin	OpenShort	Vf_1	WDI_1	CCTI_1	#X1_1	#Y1_1	RAW1_1	WPI_1_1
2	下午 06:25:47	Fail	120	9.889007	0	0	0	0	0	0	0
3	下午 06:25:49	Fail	120	9.889952	0	0	0	0	0	0	0
4	下午 06:25:53	PASS	256	2.484024	3.078794	488.757	6118.053	0.319834	0.330268	26115.08	452.344
5	下午 06:28:00	PASS	256	2.484024	3.078479	489.931	6087.176	0.320333	0.331533	25980.3	452.706
6	下午 06:31:51	PASS	256	2.484024	3.078479	489.159	6089.662	0.320345	0.330776	26098.83	452.344
7	下午 06:35:19	PASS	256	2.484339	3.078479	489.146	6073.051	0.320666	0.330827	26053.74	452.344
8	下午 06:38:30	PASS	256	2.484024	3.078479	489.714	6062.972	0.32082	0.331395	26171.5	453.072
9	下午 06:58:42	PASS	256	2.483394	3.077219	491.376	6022.626	0.321501	0.33302	26036.76	452.344
10	下午 07:00:04	PASS	256	2.48308	3.076904	491.152	6027.984	0.321409	0.332808	25920.64	452.344
11	下午 07:02:46	PASS	256	2.48308	3.07659	489.553	6056.365	0.32096	0.331266	26173.69	453.072
12	下午 07:06:04	PASS	256	2.48308	3.076275	489.545	6060.56	0.320879	0.331245	26151.8	452.344
13	下午 07:10:20	PASS	256	2.48308	3.07659	489.708	6052.628	0.321022	0.33142	26351.41	453.072

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開放TTL溝通訊號設定，因應不同設備彈性設置及應用



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Our Advantage

提供光學、電性的工程分析曲線圖，利於分析產品特性





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■ 謝謝

Thank You Very Much.

YoungTek Electronics Corp.