

亚世光电（集团）股份有限公司

YES OPTOELECTRONICS (Group) CO., LTD.



关于亚世集团

About YES Group



地理位置 Location:

- 总部/Headquarter:
辽宁省鞍山越岭路288号
#288, Yueling Road, Anshan, Liaoning Province
- LCD厂 (前工序) /LCD factory(front end):
辽宁省鞍山千山路501号
#501, Qianshan Road West, Anshan, Liaoning Province



- 总部/Headquarter
总面积/Total area: 51161m²
建筑面积/Construction area: 40000m²
- LCD rear end
 - COG/COB/SMT/TAB bonding
 - OCR/OCA optical bonding
 - LED production and assembly
 - **EPD factory (Newface Optoelectronics)**

- 成立于/Since: 1992
- 上市时间/IPO: in March, 2019
- 股票代码/Stock code: 002952
- 注册资金/Registered capital: RMB164million
- 出口额/Exporting: 80%+
- 员工总数/Total Employees: 2000+



30 minutes by car

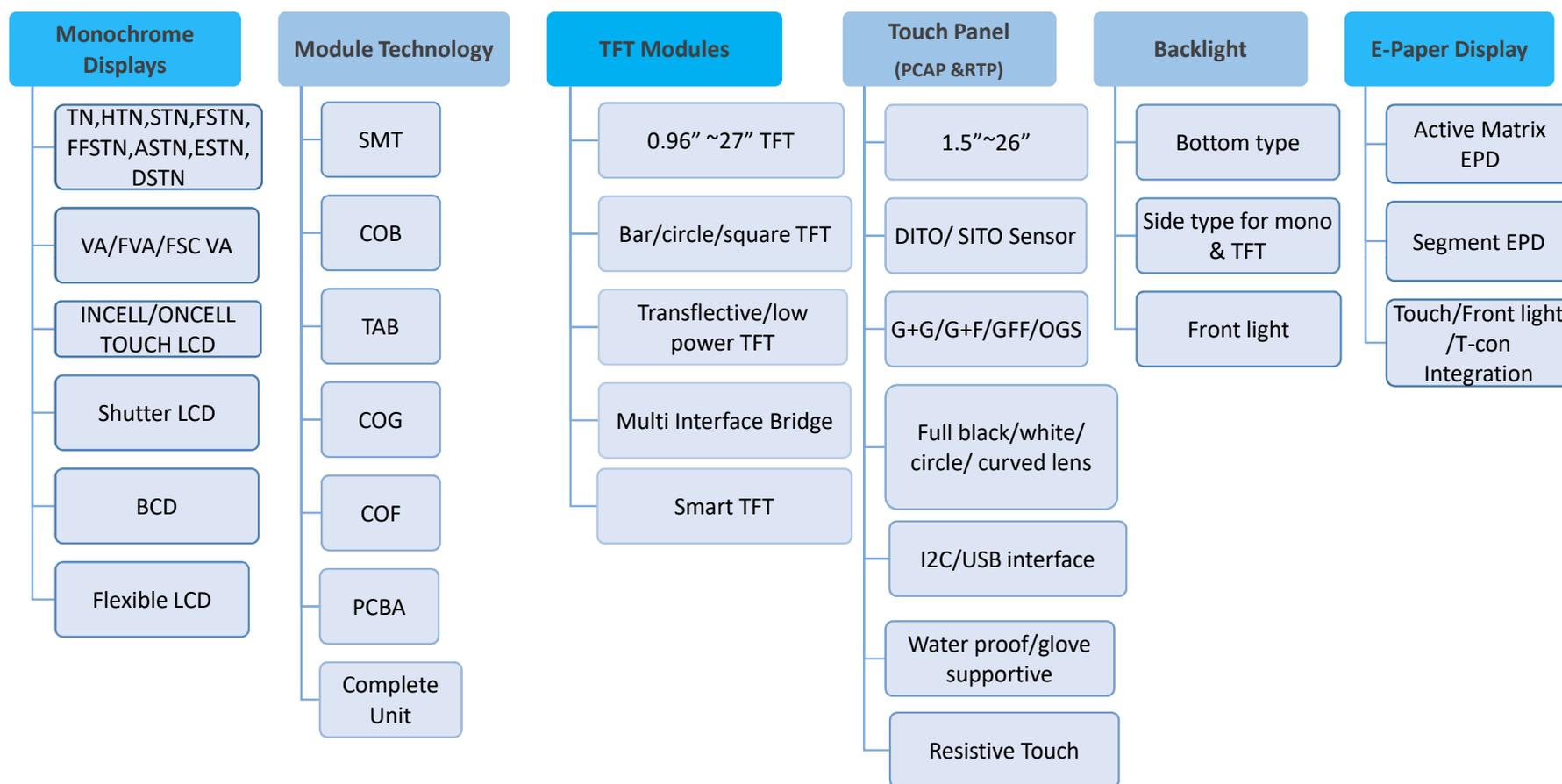
- LCD厂 (前工序) LCD factory(front end)
净房面积/Clean room: 4000m²
2条LCD前序产线
Two LCD front end production lines



- 越南厂/Vietnam factory: 奇新光电 (越南) 有限公司
Newface Optoelectronics(Vietnam) Company Limited
成立于/Since: Dec., 2023
地址/Address: 越南永福省平川县百川1工业区I26-D号 2号厂房
No.2, Lot I26-D, Ba Thien I Industrial Park, Thien Ke commune, Binh Xuyen District, Vinh Phuc Province, Vietnam
产品/Product: EPD

亚世集团产品范围/YES Group Business Range

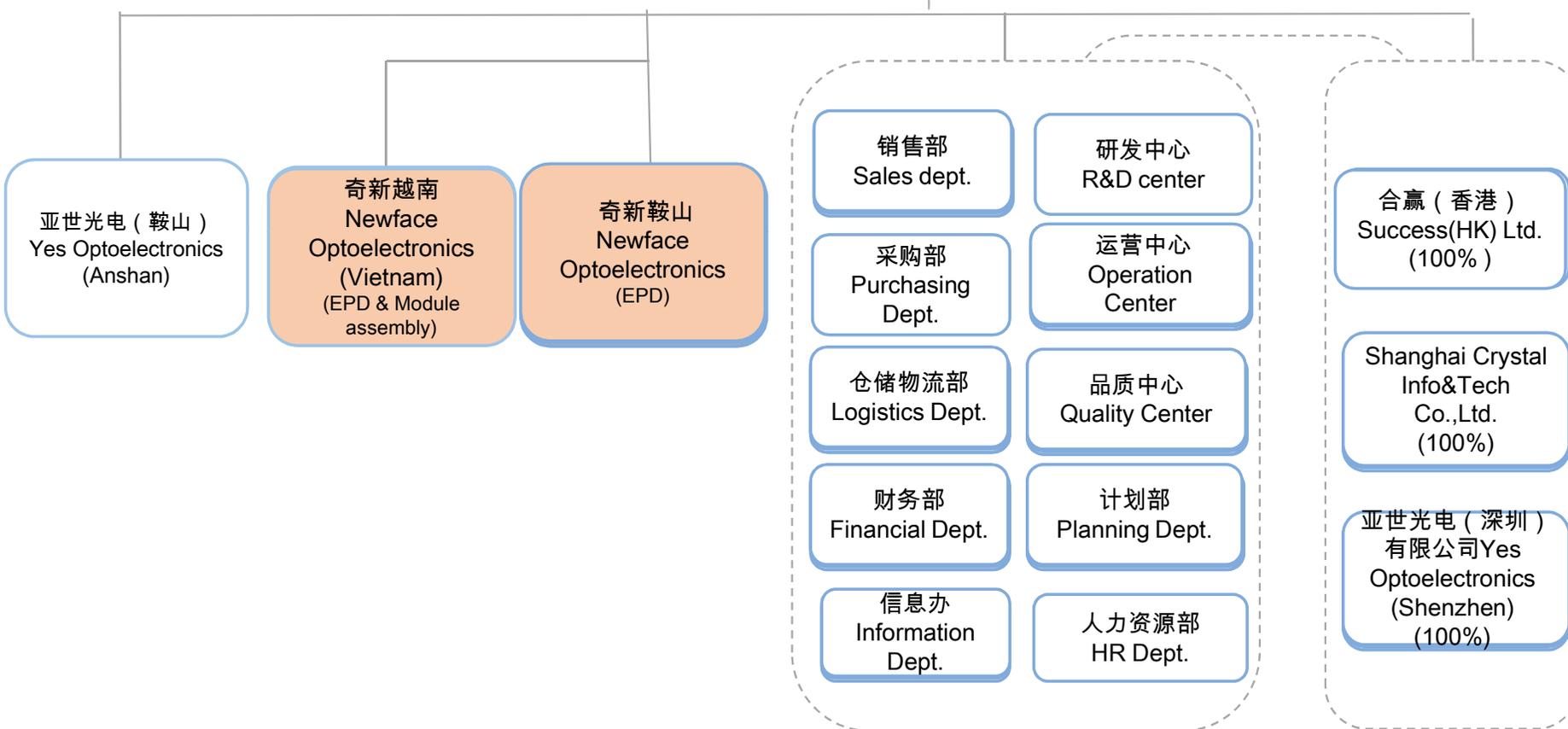
- 液晶显示屏及模组/Monochrome LCD displays and modules ;
- TFT模组及电容式触控屏整合方案/TFT modules and PCAP touch as well as solution;
- EPD模组及配套方案/EPD modules and solution



组织机构/Organization Structure



亚世光电集团/YES GROUP



亚世总部厂区图/About YES Group Headquarter



① 主楼 mail building → offices/SMT lines/backlight assembly

② 1# 厂房 factory → 2nd floor LCD rear end processes/ 3rd monochrome modules / 4th CTP and TFT modules

③ 2# 厂房 EPD factory → EPD production lines under the name of Newface Optoelectronics Co.,Ltd.

④ 仓库 warehouse

⑤ 食堂 canteen

亚世股份产线/Yes Optoelectronics Production lines



LCD production lines: 3 lines

Line A 16"*14" substrate
Line B :370*470mm substrate
Line C: 370*470mm substrate

COG production lines:

Monochrome displays: 6 lines
TFT display: 6 lines

COB : 2 lines & SMT : 3 lines

Backlight production lines: 5 lines

PCAP production lines: 9 lines;

OCR bonding 2 lines
OCA bonding 5 lines
SCA bonding 2 lines

20 assembly lines in total :

Monochrome: 10 lines

TFT display: 10 lines



一站式服务 One-stop Solution



定制化设计
Customized design
不同屏和IC资源方案
Different panel&IC solution
不同接口设计（包含DCDC，LED驱动，接口转换）
Different interface solution(including DCDC,LED driver and interface bridge)

定制化设计
Customized design
AR/AG/AF表面处理
AR/AG/AF surface treatment
不同IC方案
Different IC solution
不同盖板材质
Different materials for LENS
G+G/G+F结构
G+G/G+F structure
全贴合/框贴
Optical bonding/Air bonding

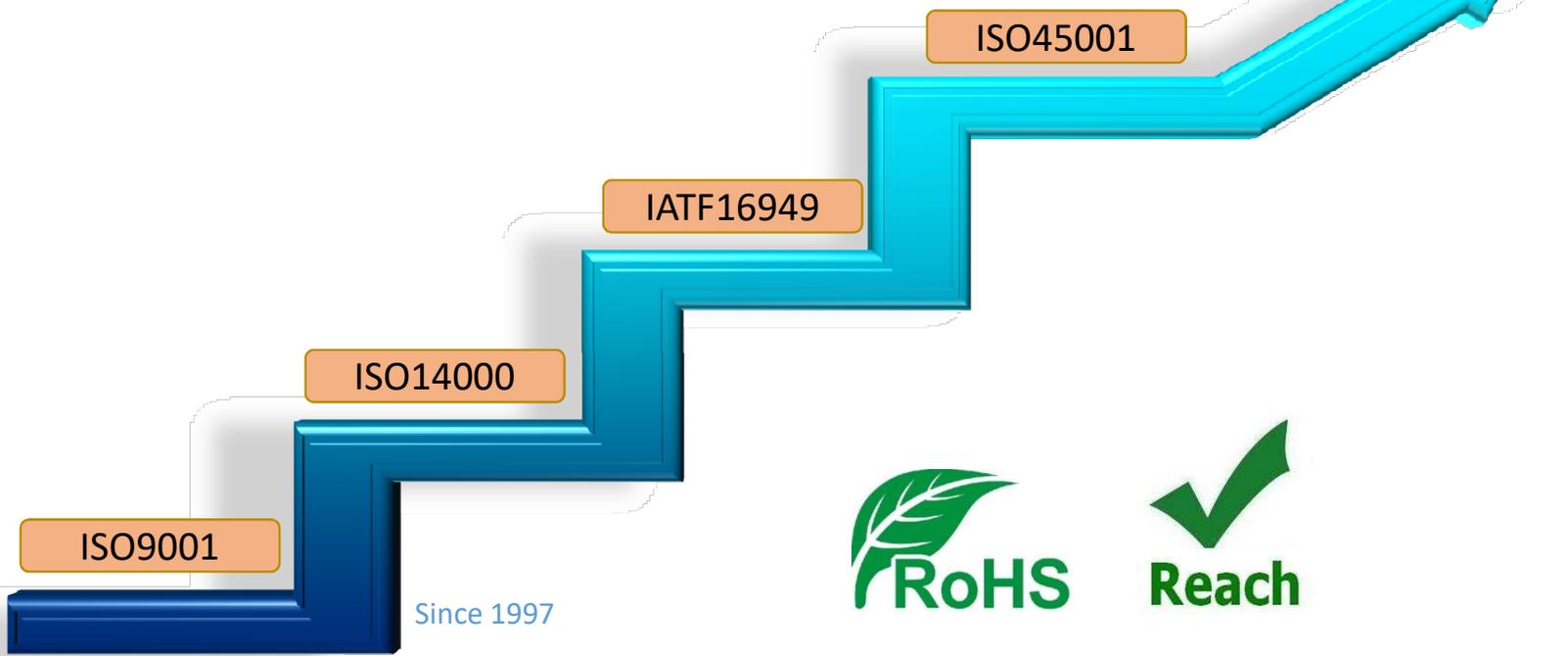


定制化设计
Customized design
不同亮度
Different brightness
不同温宽
Different temperature range
不同寿命
Different lifetime of backlight

定制化设计
Customized design
HDMI&USB控制板HDMI & USB control board
带MCU控制板Control board with MCU



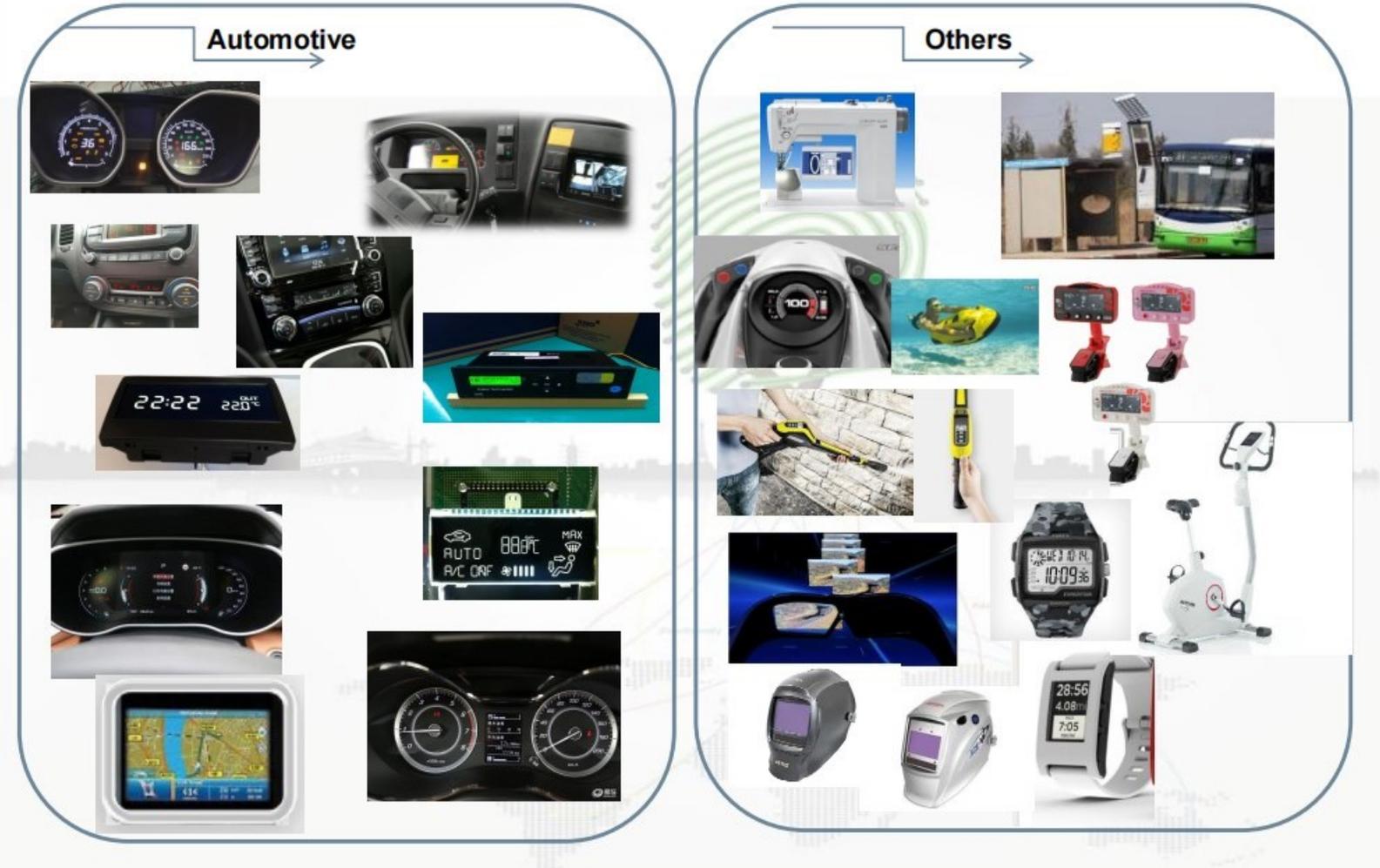
股份质量体系/Quality System



应用展示/Applications



应用展示/Applications

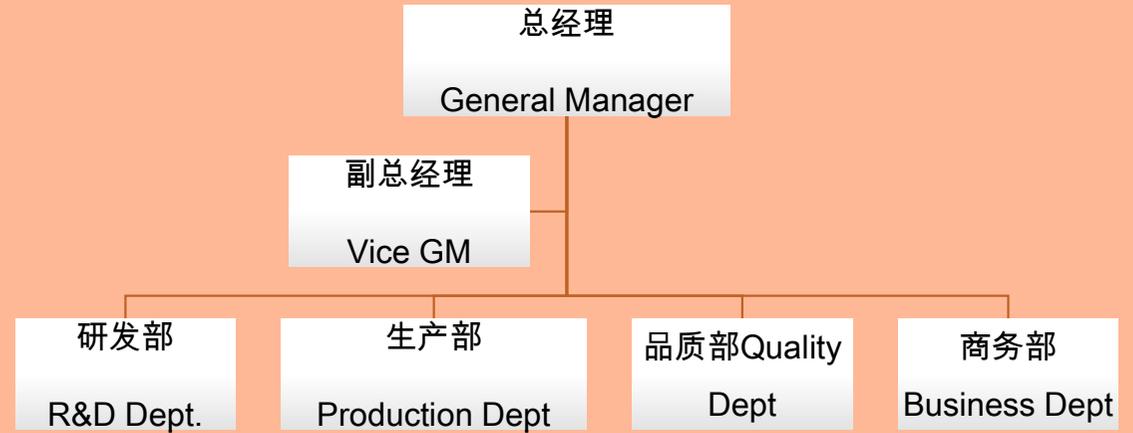




奇新光电股份有限公司

Newface Optoelectronics Co., Ltd.

公司架构 Organization



发展历程 Development



奇新光电股份有限公司

Newface Optoelectronics Co.,Ltd.



1亿8百万 人民币 注册资本

Registered Capital: RMB108 million



约 **300** 人

approx.300 employees



约**16000** m² , 2号厂房

Space: approx. 16000m² , 2# building



10 条 EPD 产线

10x Production lines



4.5kk/pcs 月产能

4.5kk/pcs per month



奇新鞍山产线和产能

Newface (Anshan) Production Line and Capacity

Newface (Anshan)			
Production line	Line Number	Capacity (Kpcs/M)	Remarks
Auto-line (1"~7.5")	6	2700	
Semi-auto line (1"~5")	2	900	
Middle size semi-auto ("~13")	2	900	
Auto-line (1"~7.5")	2	1100	Planned for 2025
	12	5600	



质量体系

Quality System



产品列表-黑白



Product list- BW

Size	Mono/Color	tempreture	DPI	Resolution(mm)	Outline Dimension(mm)	Active Area(mm)
1.54" Low Resolution	B/W	0-50°C	140	152(H)*152(V)	31.8(H)*37.32(V)*1.0(D)	27.512(H)*27.512(V)
	B/W-LT	-25-10°C	140	152(H)*152(V)	31.8(H)*37.32(V)*1.0(D)	27.512(H)*27.512(V)
1.54" High Resolution	B/W	0-50°C	184	200(H)*200(V)	31.8(H)*37.32(V)*1.0(D)	27.0(H)*27.0(V)
2.13" Low Resolution	B/W	0-50°C	110	104(H)*212(V)	29.2(H)*59.2(V)*1.0(D)	23.71(H)*48.55(V)
	B/W-Frontlight	0-50°C	110	104(H)*212(V)	29.2(H)*59.2(V)*1.9(D)	23.71(H)*48.55(V)
2.13" High Resolution	B/W	0-50°C	130	122(H)*250(V)	29.2(H)*59.2(V)*1.0(D)	23.71(H)*48.55(V)
	B/W-LT	-25-10°C	130	122(H)*250(V)	29.2(H)*59.2(V)*1.0(D)	23.71(H)*48.55(V)
	B/W-Frontlight	0-50°C	130	122(H)*250(V)	29.2(H)*59.2(V)*1.9(D)	23.71(H)*48.55(V)
2.66" Low Resolution	B/W	0-50°C	125	152(H)*296(V)	36.30(H)*71.82(V)*1.0(D)	30.704(H)*60.088(V)
2.7"	B/W	0-50°C	117	264(H)*176(V)	70.42(H)*45.8(V)*0.98(D)	57.288(H)*38.192(V)
2.9" Low Resolution	B/W	0-50°C	112	128(H)*296(V)	36.7(H)*79.0(V)*1.2(D)	29.056(H)*66.896(V)
	B/W-Frontlight	0-50°C	112	128(H)*296(V)	36.7(H)*79.0(V)*1.95(D)	29.056(H)*66.896(V)
3.7"	B/W	0-50°C	130	240(H)*416(V)	53.0(H)*92.99(V)*1.0(D)	47.04(H)*81.54(V)
4.2"	B/W	0-50°C	120	400(H)*300(V)	91.0(H)*77.0(V)*1.2(D)	84.8(H)*63.6(V)
5.79"	B/W	0-50°C	144	272(H)*792(V)	56.94(H)*150.92(V)*1.0(D)	47.74(H)*139.0(V)
5.83"	B/W	0-50°C	138	648(H)*480(V)	125.4(H)*99.5(V)*1.2(D)	118.78(H)*88.22(V)
6.0"	B/W	0-50°C	168	600(H)*800(V)	101.8(H)*138.4(V)*0.954(D)	90.6(H)*122.4(V)
7.5"	B/W	0-50°C	124	800(H)*480(V)	170.2(H)*111.2(V)*1.25(D)	163.2(H)*97.92(V)
9.7"	2-16 gray	0-50°C	150	1200(H)*825(V)	218.8(H)*156.425(V)*1.15(D)	202.8(H)*139.425(V)
11.6"	B/W	0-50°C	100	960(H)*640(V)	254.31(H)*176.35(V)*1.0(D)	224.51(H)*163.01(V)
13.3" Low Resolution	B/W	0-50°C	88	960(H)*680(V)	286.32(H)*212.26(V)*1.2(D)	275.52(H)*195.16(V)
	B/W-Frontlight	0-50°C	88	960(H)*680(V)	288.7(H)*212.26(V)*2.4(D)	275.52(H)*195.16(V)
13.3" High Resolution	B/W	0-50°C	150	1600(H)*1200(V)	285.80(H)*213.65(V)*0.78(D)	270.4(H)*202.8(V)
	B/W-Frontlight	0-50°C	150	1600(H)*1200(V)	285.80(H)*213.65(V)*1.5(D)	270.4(H)*202.8(V)
28"	2-16 gray	0-50°C	143	3840(H)*1080(V)	698.6(H)*209.3(V)*0.953(D)	683.52(H)*192.24(V)
31.2"	2-16 gray	0-50°C	94	2560(H)*1440(V)	697.2(H)*402.8(V)*0.805(D)	691.2(H)*388.8(V)
42"	B/W	0-50°C	85	2160(H)*2880(V)	650(H)*872.5(V)*0.805(D)	642.6(H)*856.8(V)



产品列表--三色 (黑白红/黑白黄)



Product List--3color (BWR/BWY)

Size	Mono/Color	temperature	DPI	Resolution(mm)	Outline Dimension(mm)	Active Area(mm)
1.54" Low Resolution	B/W/R	0-40°C	140	152(H)*152(V)	31.8(H)*37.32(V)*1.0(D)	27.512(H)*27.512(V)
1.54" High Resolution	B/W/R	0-40°C	184	200(H)*200(V)	31.8(H)*37.32(V)*1.0(D)	27.0(H)*27.0(V)
2.13" Low Resolution	B/W/R	0-40°C	110	104(H)*212(V)	29.2(H)*59.2(V)*1.0(D)	23.71(H)*48.55(V)
	B/W/Y	10-40°C	110	104(H)*212(V)	29.2(H)*59.2(V)*1.0(D)	23.71(H)*48.55(V)
2.13" High Resolution	B/W/R	0-40°C	130	122(H)*250(V)	29.2(H)*59.2(V)*1.0(D)	23.71(H)*48.55(V)
	B/W/Y	10-40°C	130	122(H)*250(V)	29.2(H)*59.2(V)*1.0(D)	23.71(H)*48.55(V)
2.15"	B/W/R	0-40°C	156	160(H)*296(V)	31.8(H)*60.8(V)*1.2(D)	26.0(H)*48.1(V)
2.66" Low Resolution	B/W/R	0-50°C	125	152(H)*296(V)	36.30(H)*71.82(V)*1.0(D)	30.704(H)*60.088(V)
	B/W/Y	10-40°C	125	152(H)*296(V)	36.30(H)*71.82(V)*1.0(D)	30.704(H)*60.088(V)
2.66" High Resolution	B/W/R	0-40°C	152	184(H)*360(V)	37.11(H)*72.5894(V)*1.0(D)	30.6912(H)*60.048(V)
	B/W/Y	10-40°C	152	184(H)*360(V)	37.11(H)*72.5894(V)*1.0(D)	30.6912(H)*60.048(V)

Size	Mono/Color	temperature	DPI	Resolution(mm)	Outline Dimension(mm)	Active Area(mm)
2.9" Low Resolution	B/W/R	0-40°C	112	128(H)*296(V)	36.7(H)*79.0(V)*1.2(D)	29.056(H)*66.896(V)
	B/W/Y	0-40°C	112	128(H)*296(V)	36.7(H)*79.0(V)*1.2(D)	29.056(H)*66.896(V)
2.9" High Resolution	B/W/R	0-40°C	144	384(H)*168(V)	79.98(H)*36.97(V)*0.9(D)	67.58(H)*29.57(V)
	B/W/Y	10-40°C	144	384(H)*168(V)	79.98(H)*36.97(V)*0.9(D)	67.58(H)*29.57(V)
3.46"	B/W/R	0-40°C	147	176(H)*480(V)	36.9(H)*94.36(V)*1.0(D)	30.272(H)*82.56(V)
3.5"	B/W/R	0-40	122	184(H)*384(V)	45.03(H)*91.75(V)*1.0(D)	38.18(H)*79.68(V)
	B/W/Y	10-40	122	184(H)*384(V)	45.03(H)*91.75(V)*1.0(D)	38.18(H)*79.68(V)
3.7"	B/W/R	0-40	130	240(H)*416(V)	53.0(H)*92.99(V)*1.0(D)	47.04(H)*81.54(V)
4.2"	B/W/R	0-40°C	120	400(H)*300(V)	91.0(H)*77.0(V)*1.2(D)	84.8(H)*63.6(V)
	B/W/Y	10-40°C	120	400(H)*300(V)	91.0(H)*77.0(V)*1.2(D)	84.8(H)*63.6(V)
5.79"	B/W/R	0-40°C	144	272(H)*792(V)	56.94(H)*150.92(V)*1.0(D)	47.74(H)*139.0(V)
5.83"	B/W/R	0-40°C	138	648(H)*480(V)	125.4(H)*99.5(V)*1.2(D)	118.78(H)*88.22(V)
7.5"	B/W/R	0-40°C	124	800(H)*480(V)	170.2(H)*111.2(V)*1.25(D)	163.2(H)*97.92(V)
11.6"	B/W/R	0-40°C	100	960(H)*640(V)	254.31(H)*176.35(V)*1.0(D)	224.51(H)*163.01(V)
12"	B/W/R	0-40°C	102	1304(H)*984(V)	261.4(H)*211.0(V)*1.2(D)	252.98(H)*190.90(V)
12.48"	B/W/R	0-40°C	130	1304(H)*984(V)	261.4(H)*211.0(V)*1.2(D)	252.98(H)*190.90(V)
13.3" Low Resolution	B/W/R	10-40°C	88	960(H)*680(V)	286.32(H)*212.26(V)*1.2(D)	275.52(H)*195.16(V)
	B/W/Y	10-40°C	88	960(H)*680(V)	286.32(H)*212.26(V)*1.2(D)	275.52(H)*195.16(V)
13.3" High Resolution	B/W/R	0-40°C	150	1600(H)*1200(V)	285.80(H)*213.65(V)*0.78(D)	270.4(H)*202.8(V)



产品列表-四色 (黑白红黄) E5



Product List-EPD (BWR/Y) Spectra™ 3100

Size	Mono/Color	temperature	Resolution	Outline Dimension(mm)	Active Area(mm)
1.54"	B/W/R/Y	0-40℃	152(H)*152(V)	31.8(H)*37.32(V)	27.512(H)*27.512(V)
1.54"	B/W/R/Y	10-40℃	200(H)*200(V)	32.2(H)*39.3(V)	27.0(H)*27.0(V)
2.13"	B/W/R/Y	0-40℃	122(H)*250(V)	59.2(H)*29.2(V)*1.0(D)	48.55(H)*23.71(V)
2.15"	B/W/R/Y	0-40℃	160(H)*296(V)	31.8(H)*60.8(V)*1.0(D)	26(H)*48.1(V)
2.66"	B/W/R/Y	0-40℃	296(H)*152(V)	71.820(V)*36.304(H)*1.0(D)	60.1(H)*30.7(V)
2.66"	B/W/R/Y	0-40℃	184(H)*360(V)	37.11(H)*72.5894(V)*1.0(D)	30.6912(H)*60.048(V)
2.9"	B/W/R/Y	0-40℃	296(H)*128(V)	79.0(H)*36.7(V)*1.2(D)	66.9(H)*29.06(V)
2.9"	B/W//R/Y	0-40℃	384(H)*168(V)	79.98(H)*36.97(V)*0.9(D)	67.58(H)*29.57(V)
3.5"	B/W//R/Y	10-40	184(H)*384(V)	45.03(H)*91.75(V)*0.5(D)	38.18(H)*79.68(V)
3.52"	B/W/R/Y	0-40℃	180(H)*384(V)	43.98(H)*93.42(V)*1.0(D)	37.98(H)*81.02(V)
3.7"	B/W/R/Y	0-40	416(H)*240(V)	92.99(H)*53(V)*1.18(D)	81.54(H)*47.04(V)
4.2"	B/W/R/Y	0-40℃	400(H)*300(V)	91.0(W)*77.0(H)*1.2(D)	84.8(H)*63.6(V)
4.37"	B/W/R/Y	0-40℃	176(H)*480(V)	46.60(H)*115.86(V)*1.0(D)	38.19(H)*104.16(V)
5.79"	B/W/R/Y	0-40℃	272(H)*792(V)	56.94(H)*150.92(V)	47.736(H)*138.996(V)
5.83"	B/W/R/Y	0-40℃	648(H)*480(V)	125.4(W)*99.5(H)*1.2(D)	118.7784(H)*88.22(V)
7.5"	B/W//R/Y	0-40℃	800(H)*480(V)	170.2(H)*111.2(V)*1.18(D)	163.2(H)*97.92(V)
9.7"	B/W/R/Y	0-40℃	960(H)*672(V)	210.8(H)*154.9(V)	201.6(H)*141.12(V)
11.6"	B/W/R/Y	0-40℃	960(H)*640(V)	254.31(H)*176.35(V)	224.512(H)*163.008(V)
12.48"	B/W/R/Y	0-40℃	1304(H)*984(V)	261.396(H)*211(V)	252.976(H)*190.896(V)



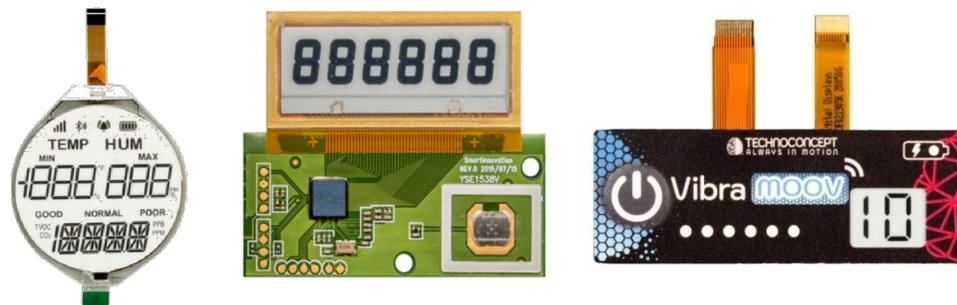
优势-定制多样化



Advantages--Various Customized Solution

1

定制笔段式电子纸模组
Customized Segment type EPD



2

电子纸模组带前光
EPD module with Front light



3

电子纸模组带Tcon驱动板
EPD module with Tcon driving board



4

电子纸模组带盖板或触屏、光学贴合
EPD module with cover lens or CTP by optical bonding

一站式服务

One stop solution



墨水屏+前光/触屏 EPD+Frontlight/Touch

- 前光轻薄而且均匀, 呈白色、红色和蓝色
- 更大尺寸至13.3"
- 光学贴合
- Frontlight thin and uniform in white, red, blue color
- Larger size until 13.3"
- Optical bonding



墨水屏模组 EPD Module

点阵墨水屏

- 黑/白
- 黑白红/黑白黄
- 黑白红黄
- N-color

笔段墨水屏

- ITO结构
- FPC结构
- PCB结构
- PET结构
- PI结构

Matrix type EPD

- BW
- BWR/BWY
- BWRY
- N-Color

Segment type EPD

- ITO Structure
- FPC Structure
- PCB Structure
- PET Structure
- PI Structure



T- con Board

- 支持 13.3", 31.2", 42"
- 蓝牙通讯
- Support 13.3", 31.2", 42"
- Blue tooth communication



整体解决方案 Total Solution

- 支持多点触控
- 触摸键
- 塑料外壳
- 软件调试或开发
- 代工组装
- Support Multi-touch
- Touch keys
- Plastic housing
- Software debug or development
- OEM assembly

产品质量保证

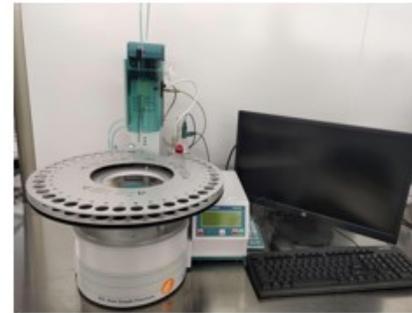
Product Quality Assurance



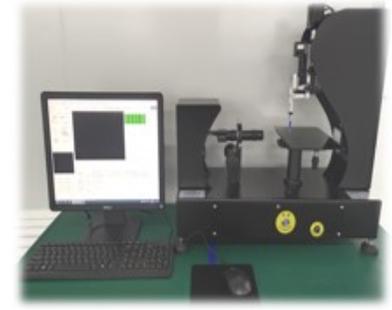
光学测试Optical Test



OM 显微镜 microscope



含水率测试仪
Moisture constant meter



水滴角测试仪
Drop Angle Tester



FPC/TCP 拉力测试仪
Tensile Strength FPC & TCP Bonding



恒温箱
Thermostat



恒温恒湿炉
constant TEMP & HUMI
chamber



恒温恒湿炉
constant TEMP & HUMI
chamber



钢球冲击实验机
Falling roll impact Tester

主要市场应用

Main Application



电子纸显示器将给您的工作、学习和生活带来数字化、智能化、绿色化、无纸化的全新体验!

EPD display application will bring you a new experience for digitalization, intelligence, green and paperless in everyone work, study and life!



奇新光电（越南）有限公司

Newface Optoelectronics(Vietnam) Company Limited

奇新光电（越南）里程碑

Newface Optoelectronics(Vietnam) Milestone



2023 Sept.

- 奇新越南厂注册成立
- Factory in Vietnam Registered

2023 Dec.

- 开工仪式: 2023.12.12
- Opening ceremony: 2023.12.12
- Equipments adjustment

2024 Feb.

- 样品试产和测试
- Samples pilot run and test

2024 March

- 逐步批量
- Production ramp up

NOW

- 5条 EPD 产线
- 5X EPD production lines
- 计划增加至7条线
- To be increased to 7 lines
- TFT&LCD 后工序组装
- TFT&LCD rear end processes and assembly



奇新光电（越南）有限公司 Newface Optoelectronics(Vietnam) Company Limited



注册资本**46720Million** 越南盾
Registered Capital: 46720Million VND



当前 **200** 人
200 employees at present



10000 m²净房
16000m² Clean room



当前**5**条全自动EPD 产线
5x Full automatic EPD Production lines at present



工厂EPD容量 **7**条线/3.5KKpcs 月产能
Factory potential **7x** lines /3.5kk/pcs per month



TFT/LCD 后工序及组装
TFT/LCD Rear end processes and assembly



越南永福省
Vietnam Vinh Phuc

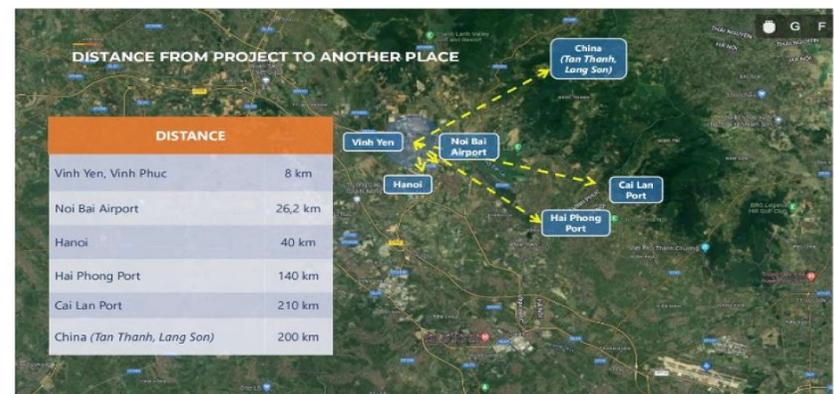
Purpose For Vietnam Factory set up :
Better Service to Customers
Lower the risk



Factory Location

Industry Park EPE Tariff Free Factory / 业区园区 EPE 免税企业
(Export Processing Enterprise 出口加工企业)

Location :
26.2Km to Noibai International Airport/距离内排国际机场26.2公里
40Km to Hanoi /距离河内40公里
140Km to Hai Phong Port/ 距离海防港140公里



奇新光电 (越南) 产线和产能

Newface Optoelectronics(Vietnam) Production Line and Capacity

Newface (Vietnam)			
Production line	Line Number	Capacity (Kpcs/M)	Remarks
Auto-line (1"~6")	2	1000	
Auto-line (1"-7.5")	2	1000	
Auto-line (1"-13.3")	1	500	
Auto-line(1"-7.5")	2	1100	planned by end of 2024
	7	3600	



奇新越南-产品质量保证

Newface (Vietnam)-Product Quality Assurance



光学测试



OM 显微镜



水滴角测试仪



影像测试仪



FPC/TCP 拉力测试仪



恒温箱



恒温恒湿炉



CM-700d

奇新 (越南) - 质量体系

Newface (Vietnam)-Quality System



ISO9001



ISO13485



Certificate qualification for IATF16949 is ongoing.



YES! We are to create miracles with you together !