PITECH

Company Presentation

Large capacitive touch panel R&D and production enterprise
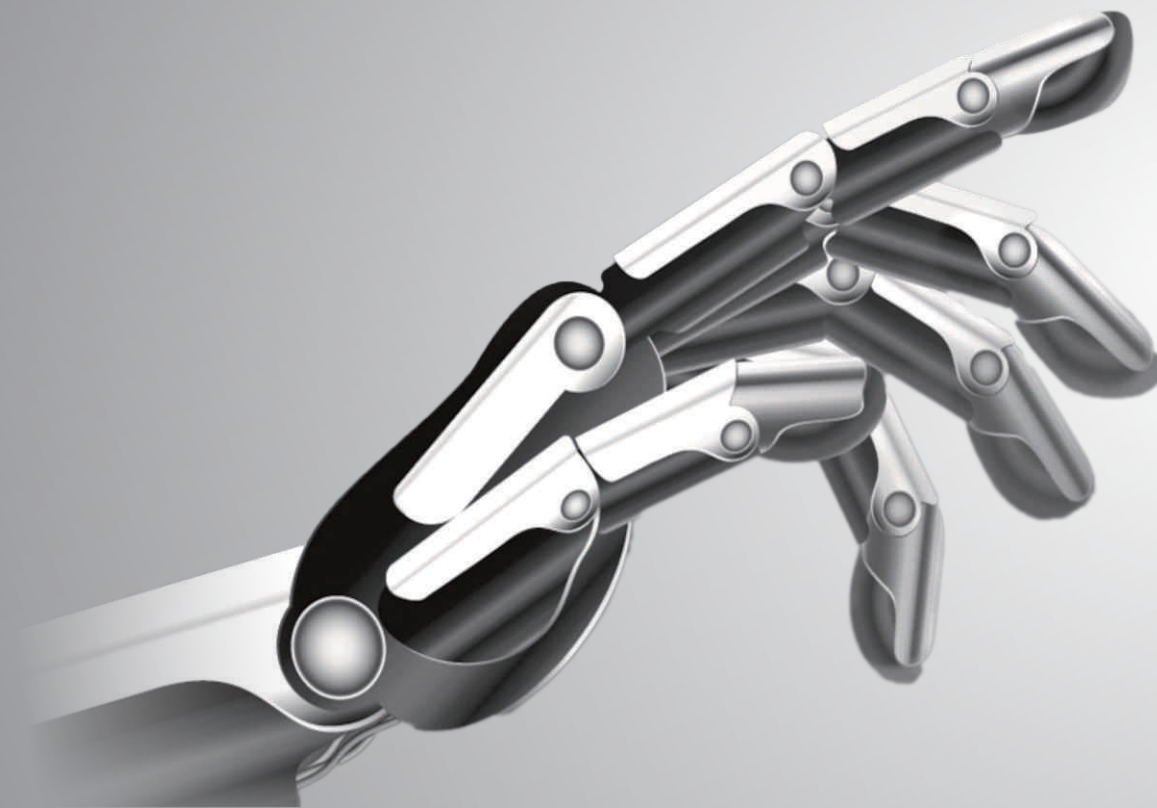
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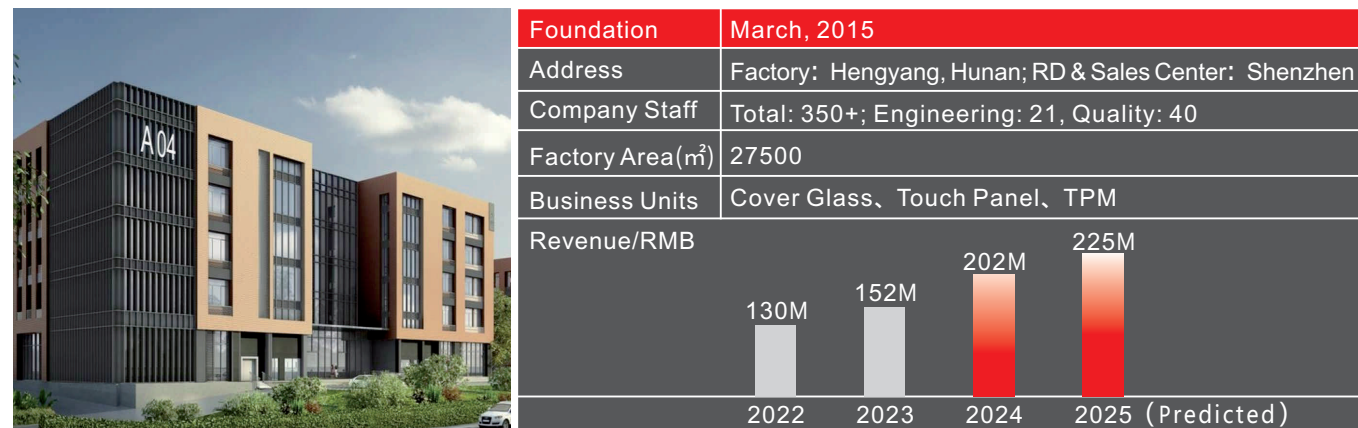
SHENZHEN PITECH PHOTOELECTRICTECHNOLOGY CO.,LTD
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Group Profile

Foundation	March, 2015
Address	Factory: Hengyang, Hunan; RD & Sales Center: Shenzhen
Company Staff	Total: 350+; Engineering: 21, Quality: 40
Factory Area(㎡)	27500
Business Units	Cover Glass、Touch Panel、TPM
Revenue/RMB	

Revenue/RMB chart:
- 130M — 2022
- 152M — 2023
- 202M — 2024
- 225M — 2025 (Predicted)

Corporate Culture

Corporate Vision:

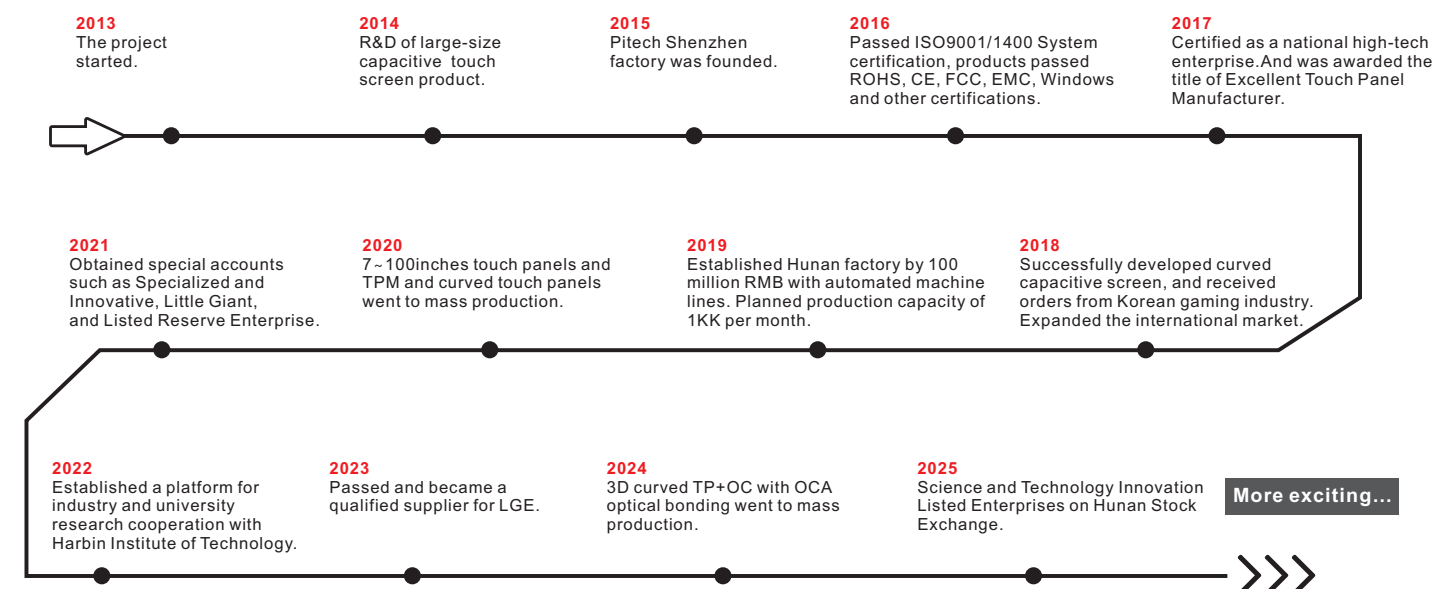Becoming a world-class brand manufacturer of touch panel product ecosystem.

Corporate Mission:

Pursue superior quality, serving and making customer successful, to be the most reliable outstanding enterprise.

Core Values:

Everything starts from the customer, the customer comes first; Everything is based on talent, with contributors coming first;
Everything serves quality, quality comes first.

Development History

2013 The project started.

2014 R&D of large-size capacitive touch screen product.

2015 Pitech Shenzhen factory was founded.

2016 Passed ISO9001/1400 System certification, products passed ROHS, CE, FCC, EMC, Windows and other certifications.

2017 Certified as a national high-tech enterprise.And was awarded the title of Excellent Touch Panel Manufacturer.

2021 Obtained special accounts such as Specialized and Innovative, Little Giant, and Listed Reserve Enterprise.

2020 7~100inches touch panels and TPM and curved touch panels went to mass production.

2019 Established Hunan factory by 100 million RMB with automated machine lines. Planned production capacity of 1KK per month.

2018 Successfully developed curved capacitive screen, and received orders from Korean gaming industry. Expanded the international market.

2022 Established a platform for industry and university research cooperation with Harbin Institute of Technology.

2023 Passed and became a qualified supplier for LGE.

2024 3D curved TP+OC with OCA optical bonding went to mass production.

2025 Science and Technology Innovation Listed Enterprises on Hunan Stock Exchange.

More exciting...

Corporate Honors

2015 ISO9001/ISO14001 and other system certifications.

2017 Obtained the title of National High tech and Shenzhen High tech Enterprise.

2021 Obtained special titles such as Specialized and Innovative, Little Giant, and Reserve Cultivation for Listed Enterprises.

2022 Established a platform for industry university research cooperation with Harbin Institute of Technology.

2023 Obtained ISO45001 system certifications. Over 60 patents including invention patents and utility patents.

2024 Apply for TS16949 and GJB system for quality control of military products.

Park scenery

■ Hengyang - Pitech industrial park

Pitech production workshop: Buildings A4/A6 ■

Enterprise Business Unit

TP Unit
G/FF sensor/GG、
GFF TP

TPM Unit
TP+Module
Optical Bonding

CG Unit
Cover glass
Flat/Curved（Heat、
Chemical Strengthening）

TP Uint-GG Production Equipment

■ A4-5 Machine Lines（Manufacturing Size: 7~55"）

A4-5 Machines（Manufacturing Size: 7~55"）					
Machines	Quantity	Machines	Quantity	Machines	Quantity
Cleaning line	5	Laminating machine	32": 4; 55": 2	Electrical performance testing machine	4
Printing machine	32": 5，65" : 5	Vacuum heating pressing machine	32": 5，55": 5，86": 2	Dimensional tester	1
Oven	12	UV curing	2	Ink mixer	1
Laser machine	32 ": 6，65" : 4	Defoamer furnace	55": 2，86": 2	Microscope	4
Cutting machine	3	Automatic laminating machine	32": 4，65": 2	....	....
Boning machine	15.6" : 6，32" : 5，65" : 4	Automatic pipeline	3		

■ GG Workshop pictures
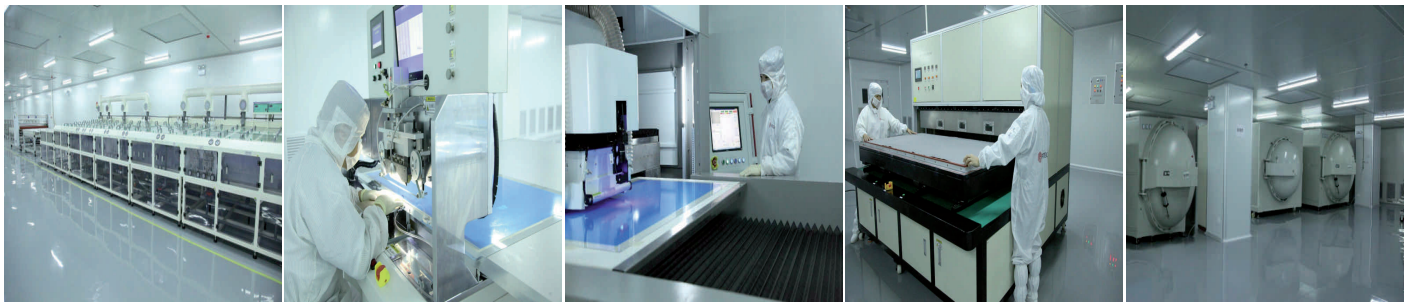
TP Uint-GG Production Equipment

■ A4-1 FF Machine Lines（Manufacturing Size: 7~65"）

A4-1 Machines（Manufacturing Size: 7~65"）					
Machines	Quantity	Machines	Quantity	Machines	Quantity
Cleaning line	3	Automatic soft to soft bonding machine	32": 4; 65": 3	Electrical performance testing machine	2
Printing machine	32": 2，65": 2	Automatic hard to hard bonding machine	32": 4，65": 2，86": 1	Dimensional tester	1
IR tunnel curing line	2	UV curing	1	Ink mixer	1
Laser machine	32": 6，65": 4	Defoamer furnace	55": 2，86": 2	Microscope	4
Cutting machine	3	Automatic laminating machine	32": 2，65": 2	....	....
Bonding machine	15.6": 6，32": 5，65": 4	FF Functional Testing	4		

■ FF Workshop pictures

TP Unit-FF 3D Curved Touch Panel Production Equipment

■ A4-1 Curved Product Machine Lines（Manufacturing Size: 15~75"）

A4-1 Machine（Manufacturing Size: 15~75"）					
Machines	Quantity	Machines	Quantity	Machines	Quantity
Automatic soft to soft bonding machine	1	Automatic soft to hard bonding machine	65": 3	Curved type optical bonding machine	65": 2
Curvature tester	C、J、S	Curved type laminating machine	1	Dimensional tester	1

■ Curved Product workshop pictures

TPM Unit-Flat OCA/OCR Optical Bonding Production Equipment

■ A4-1 Flat Product Machine Lines（Manufacturing Size: 7~65"）

A4-1 Machine（Manufacturing Size: 7~65"）					
Machines	Quantity	Machines	Quantity	Machines	Quantity
15.6" Automatic optical bonding line	1	23.8" Automatic optical bonding line	1	31.5" Automatic optical bonding line	2
65" Automatic curved optical bonding line	1	LCD IQC inspection bench	Several	LCD illumination detection fixture	Several
LCD aging bracket	Several	Curved LCD backlight fixture	43"/49"/55"	....	....

■ Optical bonding product workshop pictures

15.6" Automatic optical bonding line   23.8" Automatic optical bonding line   31.5" Automatic optical bonding line

CG Unit-Cover Glass Production Introduction

■ Technical capability

Item	Size	Thickness	Tempering		Surface treatment						Glass Material				Printing			Shape		
Parameters	7~65"	0.4~10mm	Heat	Chemical	AG	AF	AR	Mirror	Metal/Wood like	Soda lime	High alumina	Corning	Low temperature	High temperature	Anti-UV	Flat	Irregular	3D curved			
Instructions	Customizable	Customizable/thinner	Heating	KNO3	Etching/spray	PVD/spray	PVD	PVD	Imitating metal or wood	CSG/AGC, etc	panda/Caihong	GG3	150-180℃	680-720℃ without pinhole	outdoor	Flat	Holes/steps/cup holder,etc	C/J/S/V, etc			

■ 301-Factory-Cover glass machine Lines（Manufacturing Size: 7~65"）

CNC

Automatic 32" printing machine

Automatic 55" printing machine

Products and capacity introduction for each workshop

●small size workshop
●GG,mainly7"~15.6"
●capacity, 400K+/mth

●medium size workshop
●GG,GFF,mainly 15.6" ~32"
●capacity: GG 100K+/mth
●capacity: GFF 100K+/mth

●large size workshop
●GFF,mainly 43" ~86"
●capacity: 15K+/mth

Product Introduction

GG structure COB COF 7~65 "capacitive screen, mainly industrial grade, car grade, military grade and other high quality requirements, strict test capacitive touch, mainly used in tablet computers, computer all-in, vehicle, POS machine, robot, financial equipment, medical equipment, fitness equipment, smart home appliances and other fields;

GFF structure COB COF 10.1~100 "capacitive screen, mainly with low resistance value large size, industrial grade capacitive touch, mainly used in vehicle, laptop, conference tablet, education machine and other fields.

GG capacitive touch screen

Mirror capacitive touch screen

Capacitive screen for white household appliances

Car shaped flexible screen

GFF capacitive touch screen

Curved capacitive touch screen

Small, medium and large size optical bonding TPM

Super large touch screen

GG/GFF Product Introduction

Item	GG	GFF
Structure	Cover Class +SCA+ Sensor	Cover Class+Film sensor
Transmittance	92%	88%
Pin	30um/30um	30um/30um
SUrface treatment	AG/AR/AF	AG/AR/AF
Thickness	Class(0.4mm/-10mm)+SCA(0.15-0.3mm)+ Sensor(0.4mm-1.1mm）	Class(0.4mm-10mm)+Film thickness (0.125mm/0.1mm/0.05mm)
Size	7"~55"	7"~86"
Points	10	10
Material	CG：AGC、CSG、Panda、Corning, etc； SCA：Gaoren、Huichi ITO Glass：Kangyao、 Changxin、Yigao, etc	CG：AGC、CSG、Panda、Corning, etc; OCA:3M、Fuyin、Huangguan, etc ITO Film: Rijiu、Xinfei、Anrun, etc

GG
Workshop

GFF
Workshop

GFF-3D Curved Product Introduction

■ Curved type Feature（Size: 10.1~86 inch）

●Printing：High temperature、low temperature

●Surface treatment：Normal, AG

●Tempering：Hot bending physical tempering/chemical tempering

●Shape：C、J、S, etc

■ Technical capability

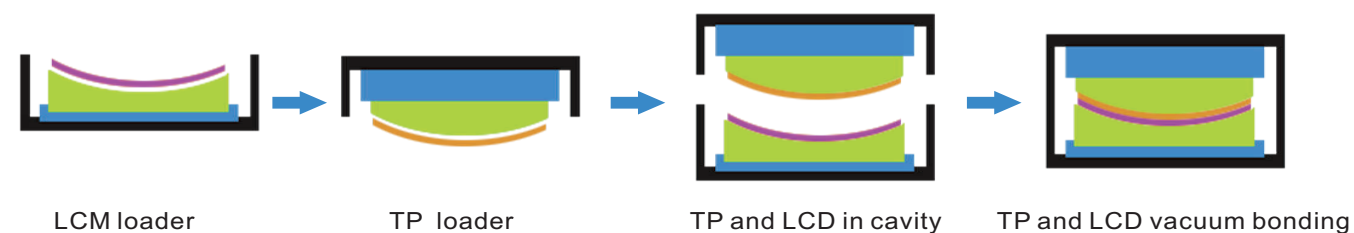| Shape	C、J、S, etc
Structure	GFF/GG
Curvature	Above 800
Material	ITO、NANO
ITO resistance	25~80Ω
Pin	mini 30/30
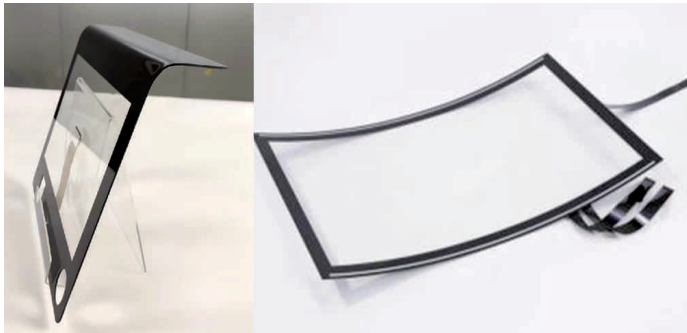
■ Curved CG and TP workshop

GFF-3D Curved Optical Bonding Technology

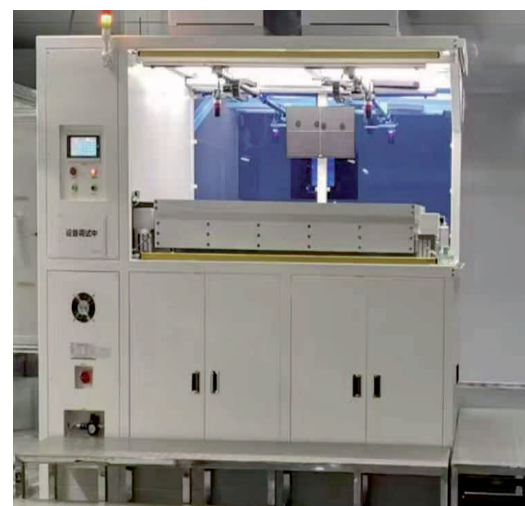■ Illustration of optical bonding between curved TP and LCD

LCM loader   TP loader   TP and LCD in cavity   TP and LCD vacuum bonding

■ Technical capability

Shape	C、J、S， etc
Structure	GFF/GG
Size	max 75"
Curvature	Above 800
Material	ITO、metal mesh, etc
ITO resistance	25~80Ω
Pin	mini 30/30
Tolerance	±0.5mm
OCA thickness	250um-1000um
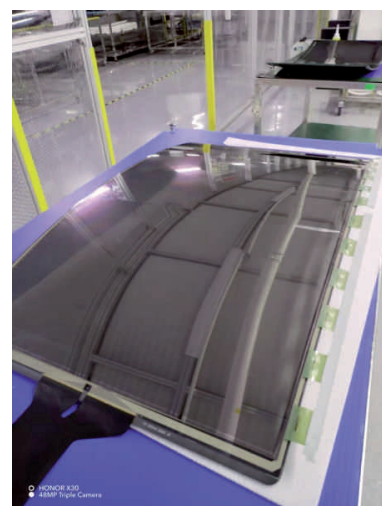
49" curved TP+LCM

3D curved optical bonding machine

IC Application Introduction

Vendor	Application	Touch Points
Huiding Goodix	consumer electronics class	within 5 points
ILITEK	industrial grade	above 10 points
EETI	industrial grade	above 10 points
WDht	industrial grade	above 10 points
SIS	industrial grade	above 10 points
Other customized	industrial grade	above 10 points

Main Partners

Product Application Introduction
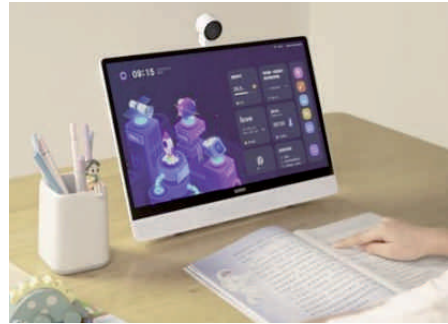
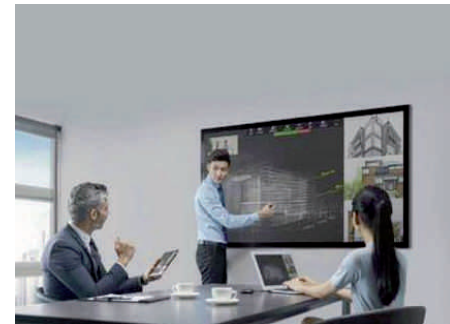Tablet.laptop

POS, financial device

Industrial control and medical equipment
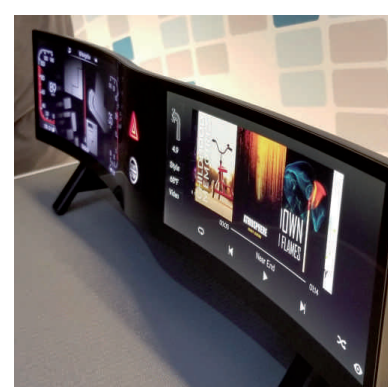
Sport equipment

Commercial display

Conferences, education equipment

White goods, household appliance

Game, casino machines

Special-shape vehicular equipment

Advanced intelligent manufacturing workshop

● 27,000 ㎡+ of dust-free workshop

● Automatic flow production line

● Highly customized core equipment

● Full-size customized products

● Optical bonding module integration

Comprehensive supply chain system

● main materials supporting suppliers

● invested supporting cover plate factory

● whole industrial chain supply capacity

Independent R&D team

Advanced laboratory

Comprehensive quality assurance system

● Industry complete testing equipment and methods

● ISO9001/ISO14001 certification and assurance