



# PITECH

HUNAN PITECH PHOTOELECTRIC TECHNOLOGY CO.,LTD

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SHENZHEN PITECH PHOTOELECTRIC TECHNOLOGY CO.,LTD

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**Large capacitive touch panel R&D and production enterprise**

## About us



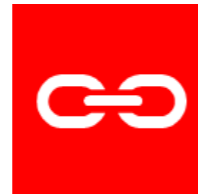
Established time : 2015 yr.  
 R&D center : Shenzhen ;  
 Prod. center : Hengyang,Hunan;  
 Company staff : 420+  
 Factory area : 25000m2+  
 Business division : four business departments ( CG dept.,G-G small,middle and large size TP dept.,G-FF large size TP dept., TPM dept.. )  
 Pitech specialize in the product research and development,production and sales of a full range of small, middle and large sizes of projected capacitive touch screen products.We integrate and set up a fast response industrial chain and become one of the large-scale outstanding high-tech enterprises in the domestic market.



staff numbers 420+



factory area 25000m2+



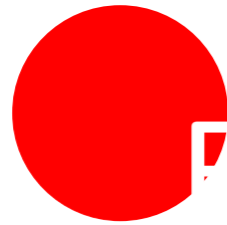
supply ability  
 15.6" 200K/mth+  
 21.5" 60K/mth+  
 32" 30K/mth+  
 43" 15K/mth+  
 86" 10K/mth+



technology&quality  
 engineer: 30+  
 QC : 40+



G dept.  
G sensor /G TP



F dept.  
F sensor /F TP

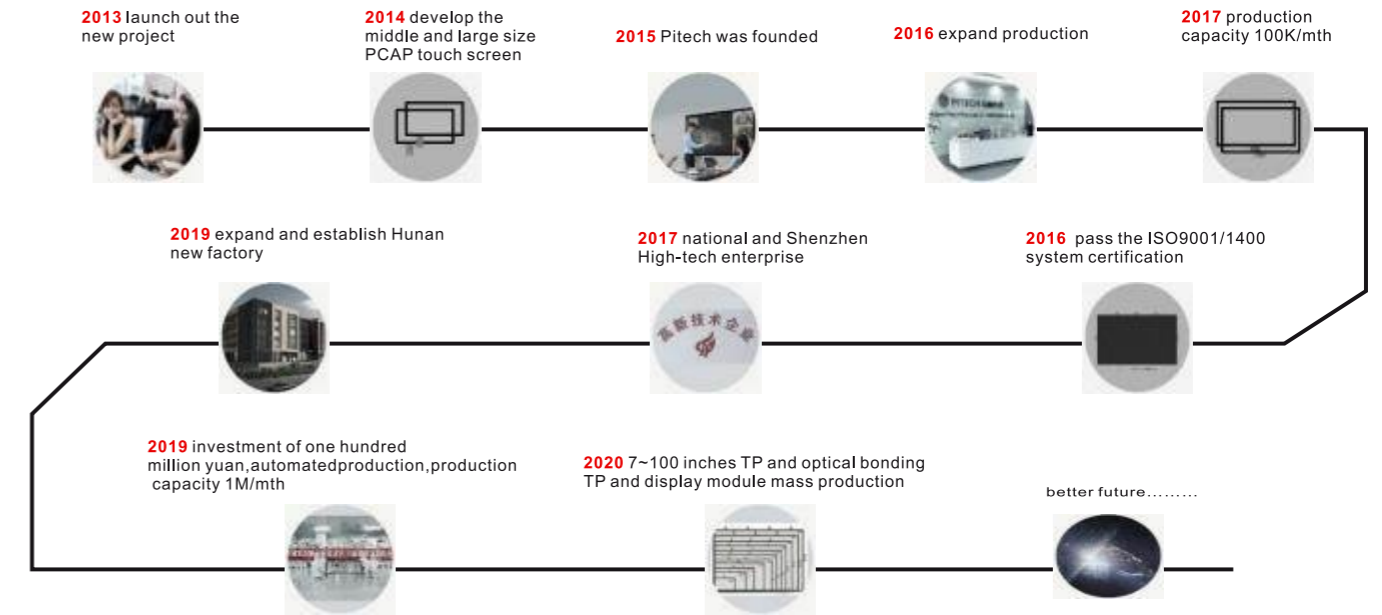


CG dept.  
Cover glass



TPM dept.  
TP+Module  
optical bonding

## Pitech development process



## Corporate structure

Chairman												
General manager												
special assistant												
Administration center				Operation center					R&D center	Marketing center		
warehouse dept	comprehensive management dept	purchase dept	finance dept	GG manufacturing dept	GFF manufacturing dept	quality dept	engineer dept	PMC	R&D center	domestic market	overseas market	
	logistics dept	resource	cashier	preproduction	preproduction	QA	technics	production control	R&D dept	southern China	overseas area	
	human resources	purchase	accountant	postproduction	postproduction	QC	project	plan	project team	east China	Taiwan area	
			auditor			inspector	equipment	material control	technical group	Xiamen area		

## Manufacturing workshop



Shenzhen office : R&D,sales center.

Hunan factory : 20000m<sup>2</sup> class 1000,class 100 dust-free workshops,advanced automatic manufacturing, laboratory etc.

## laboratory with various detecting and test equipments



100"constant temperature and humidity device



32"constant temperatureand humidity device



thermal shock test device



100"quadratic element image machine



tensile



salt spray test machine



ball dropping test device

## Product presentation

GG structure COB,COF 7"~65" projected capacitive touch screens are required with high quality to meet industrial grade,vehicle industry standard or military industry level etc,it's mainly applied in computer all-in-one machine,vehicle equipment,POS device,robot,financial device,medical instrument,gymnastical equipment,smart home appliance etc. various fields.

GFF structure COB,COF 15"~100" projected capacitive touch screens are mainly with low resistance and large size for industrial application,it's mainly applied in vehicle equipment,laptop,conference tablet,education all-in-one machine etc. fields.

TP+LCD full lamination: 7" ~86" Using OCA or LOCA to fill the air gap between the TP and LCD thoroughly, it helps to reduce the reflection between the display and the TP, makes the screen look more clear and enhances the display module structural strength.



7"~65"GG PCAP touch screen



mirror surface PCAP touch screen



home appliances PCAP touch screen



vehicle abnormality flexible PCAP touch screen



15"~100"GFF PCAP touch screen



curved PCAP touch screen



small,middle,large optical bonding touch screen and display module



super large touch screen (domestic largest bonding device)

## 01.GG ITO CTP

### G +G structure(7"~65")

CG Most of the chemically strengthened glass and physically strengthened glass can be supplied by ourselves,some of them are from quality supply chain.

ITO We mainly choose the glass materials from the domestic brand suppliers,such as Changxing,Nanbo etc.

With fully equipped product inspection laboratory and excellent quality control system,we have strong supply ability to ensure the long-term quality supply for customer.

### Product features

product structure	COB,COF
ITO brand	Changxing,Nanbo etc.
ITO thickness	0.55- 1.8mm
ITO resistance	60-90Ω/80- 120Ω
ITO technics	etching process
line width/line distance	mini 45/45

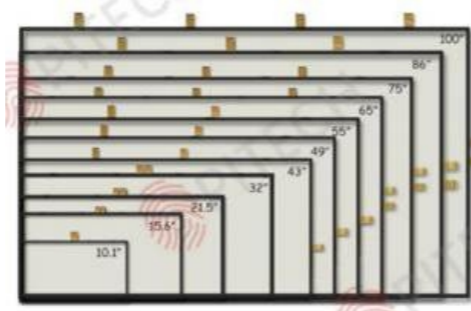
### GG dept. workshop



## 02.GFF ITO/Nano Film CTP

### GFF structure (10.1"~100")

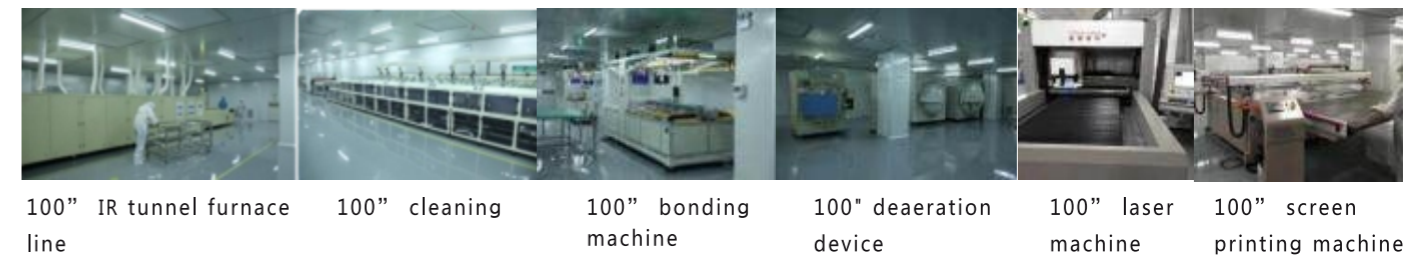
It's mainly using lower resistance ITO Film,Nano Film materials and we cooperate with brand material suppliers here and abroad.Bonding for flexible or curved touch products can be realized,production line 15"~100".



### Product features

product structure	COB , COF
ITO/Nano Film	Japan,Korea,domestic brand etc.
ITO/Nano thickness	0. 1-0. 15mm
ITO /Nano resistance	25~ 150Ω
ITO/Nano technics	etch/laser
line width/line distance	mini 45/45

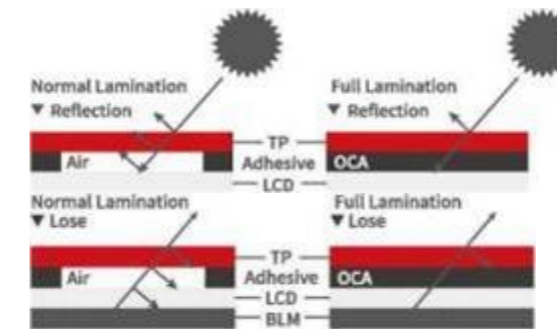
### GG dept. workshop



## 03.Optical bonding touch screen and display integration

Optical bonding touch screen and display integration : 7"~86"

TP+OC\FF+OC、 LCM touch screen and display module optical bonding;OCA optical bonding , bonding yield ≥98%.



Optical bonding technology is using OCA or LOCA to fill the air gap between the TP and LCD thoroughly, it helps to reduce the reflection between the display and the glass,makes the screen look more clear and enhances the display effect of the screen.

PIT factory has several customized fully automatic optical bonding devices to support and improve the production for small,middle and large size optical bonding display products.

## 04. IC touch control solution

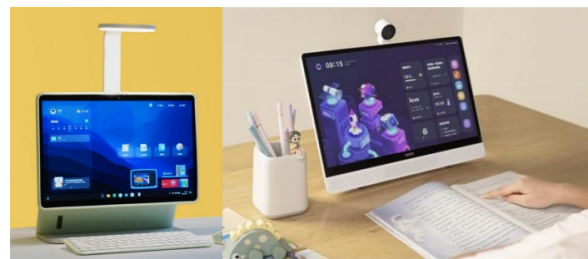
Touch control solution	Application	Touch Points
Goodix	consumer electronics grade	Touch Points
ILITEK	industrial grade	within 5 points
EET	industrial grade	above 10 points
SIS	industrial grade	above 10 points
Weida	industrial grade	above 10 points
other,customized	industrial grade	above 10 points

**Brand clients**



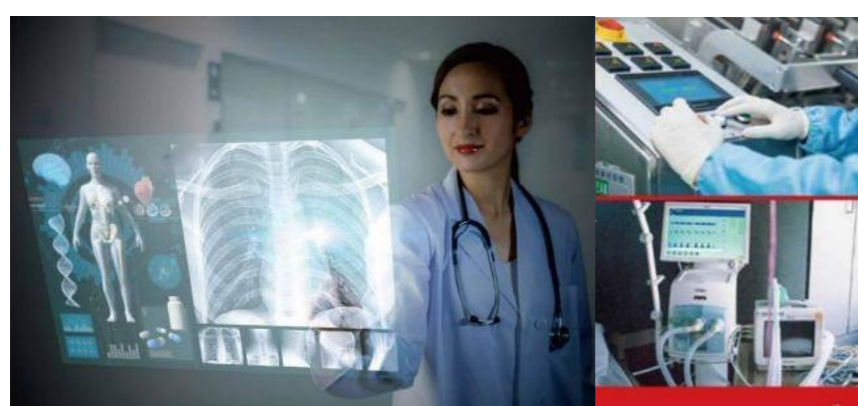
**Pitech Product Ecology-Application Field**

**Tablet PC**



Main product application:  
7"~15.6", GG ITO GLASS,AG/AF CG

**Industrial control & medical instrument**



Main product application:  
Industrial tablet, industrial display  
medical instrument.  
7"~32", GG/GFF, ITO, projected capacitive touch screen, optical bonding.

**Gymnastical equipment**

Main product application:  
10.1"~21.5", GG, ITO, treadmill projected capacitive touch screen.  
23.8"~43", GG, ITO, gymnastical equipment, magic mirror equipment projected capacitive touch screen.



**Smart retail, smart financial device**

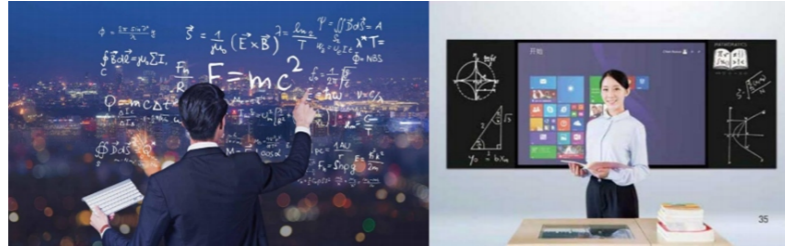


Main product application:  
POS device, smart finance, self-service vending machine.  
7"~32", GG, GFF, ITO projected capacitive touch screen, optical bonding.



### Smart education

Main product application:  
 Education tablet, electronic class card, preschool education all-in-one machine, smart blackboard, education all-in-one machine  
 10.1"~100", GG, GFF, ITO/Nano touch, optical bonding.



### Intelligent conference



Main product application:  
 Conference tablet, electromagnetic capacitive all-in-one machine;  
 43"~100", GG, GFF ITO/Nano touch, optical bonding.

### Smart commercial display



Main product application:  
 10.1"~86", GG, GFF, ITO, Nano touch, projected capacitive touch screen.  
 10.1"~86", optical bonding touch screen and display integration.



### Smart home appliances/TV



Main product application:  
 10.1"~32" smart home, GG/GFF. ITO; optical bonding projected capacitive touch screen.  
 43"~100" ultra-narrow edge wide smart TV touch screen, GG/GFF. ITO, Nano; optical bonding projected capacitive touch screen.



### Gambling & Games Devices

Main product application:  
 43"~100" GFF. ITO, Nano; Curved optical bonding projected capacitive touch screen.

