

To Create Colorful Life

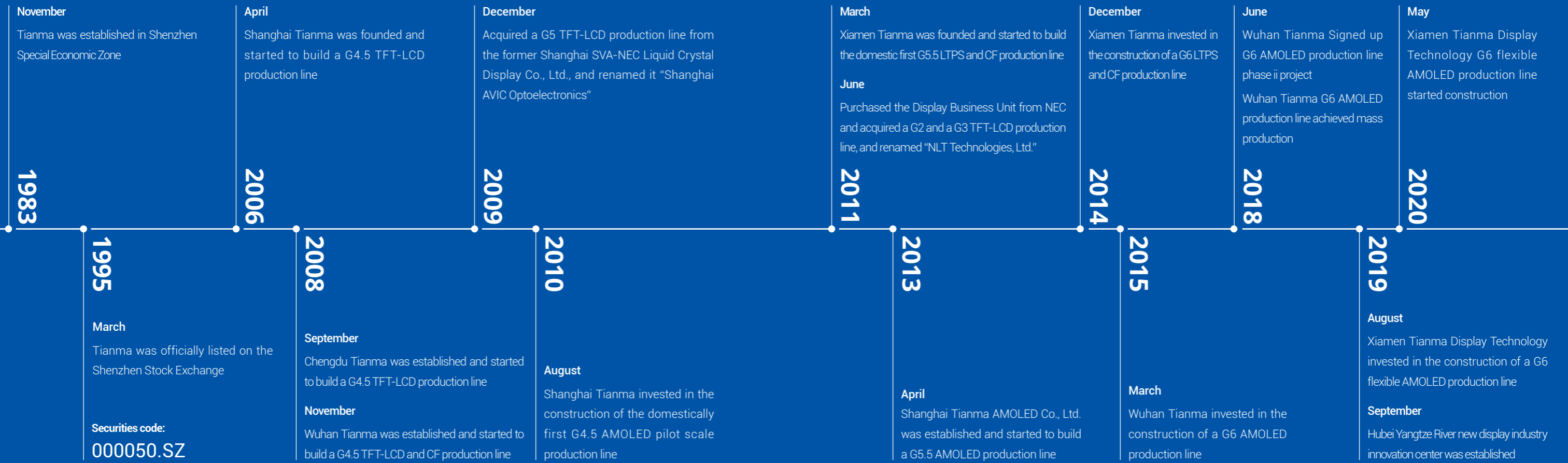
 **TIANMA**



FOCUS



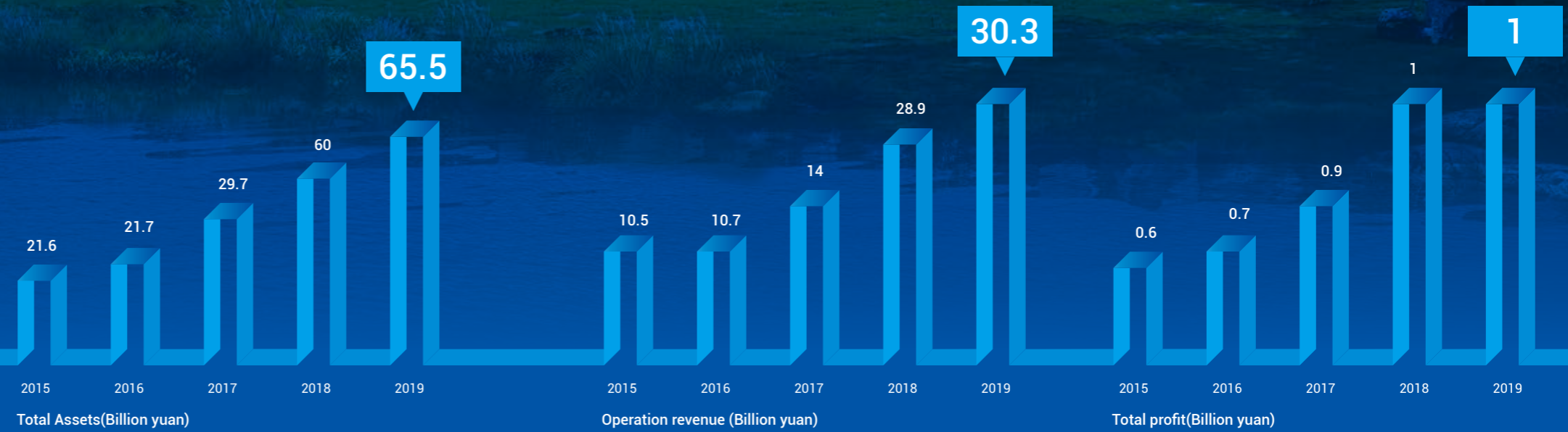
History of Tianma



Accumulation



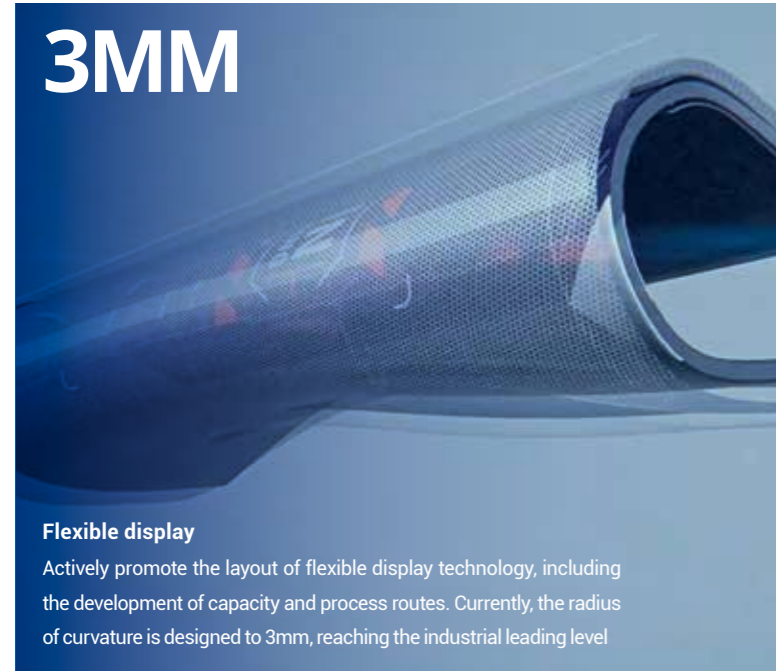
2015-2019 Tianma Revenue Figure



Leading

Advanced display technology

Leading product features



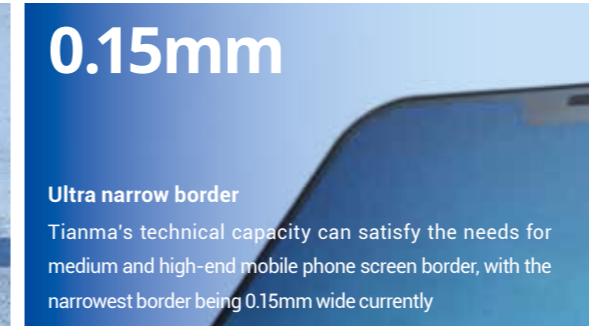
3MM

Flexible display
Actively promote the layout of flexible display technology, including the development of capacity and process routes. Currently, the radius of curvature is designed to 3mm, reaching the industrial leading level



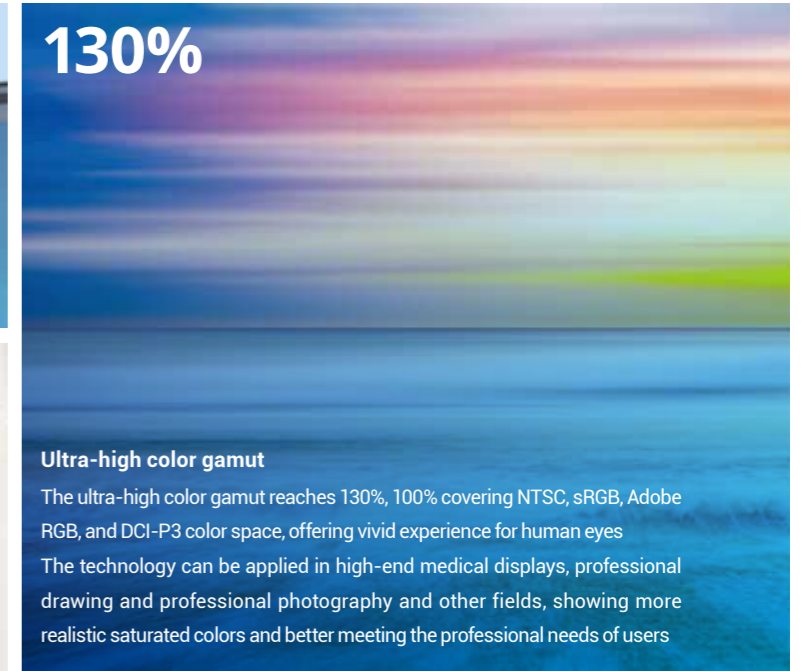
-50°C

SLT (Super Low Temperature LCD)
Self-developed Super Low Temperature LCD can achieve dynamic display of below 50 degrees Celsius, and its effect reaches the international leading level



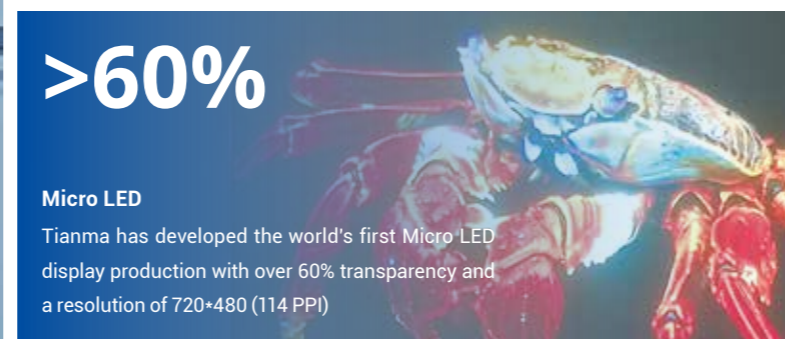
0.15mm

Ultra narrow border
Tianma's technical capacity can satisfy the needs for medium and high-end mobile phone screen border, with the narrowest border being 0.15mm wide currently



130%

Ultra-high color gamut
The ultra-high color gamut reaches 130%, 100% covering NTSC, sRGB, Adobe RGB, and DCI-P3 color space, offering vivid experience for human eyes
The technology can be applied in high-end medical displays, professional drawing and professional photography and other fields, showing more realistic saturated colors and better meeting the professional needs of users



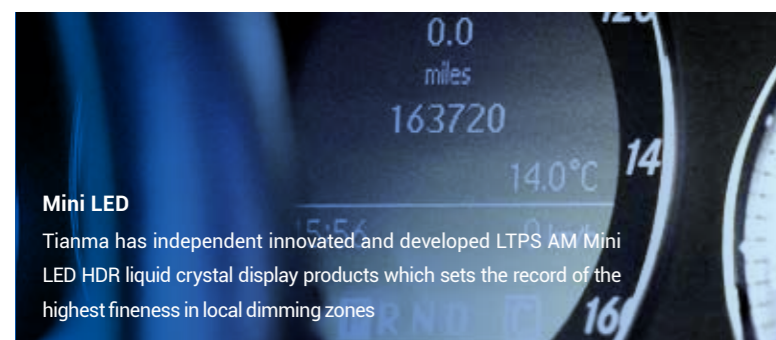
>60%

Micro LED
Tianma has developed the world's first Micro LED display production with over 60% transparency and a resolution of 720*480 (114 PPI)



60uW

Low power consumption
Facilitate a-Si business transformation, effort in the field of smart wear, display power consumption reduce to 60uW, reaching the industrial leading level




Mini LED

Tianma has independent innovated and developed LTPS AM Mini LED HDR liquid crystal display products which sets the record of the highest fineness in local dimming zones



>30%

Camera Under Panel (CUP)
The transmittance of CUP reaches more than 30% which can meet the needs of customers. Develop semitransparent electrode design and cathode graphics technology

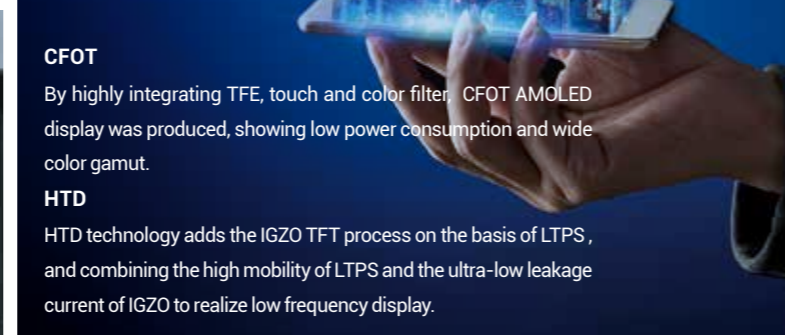


Transparent display
Tianma is equipped with mass production capacity. Product penetration rate reaches 50% which is ahead of LCD products under the same PPI conditions




ACRUS

LCD display using dual screen dimming technology which can show higher than 30000 contrast and real black effect



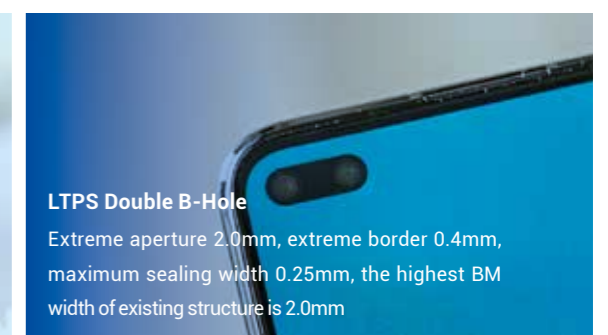
CFOT
By highly integrating TFE, touch and color filter, CFOT AMOLED display was produced, showing low power consumption and wide color gamut.

HTD
HTD technology adds the IGZO TFT process on the basis of LTPS, and combining the high mobility of LTPS and the ultra-low leakage current of IGZO to realize low frequency display.



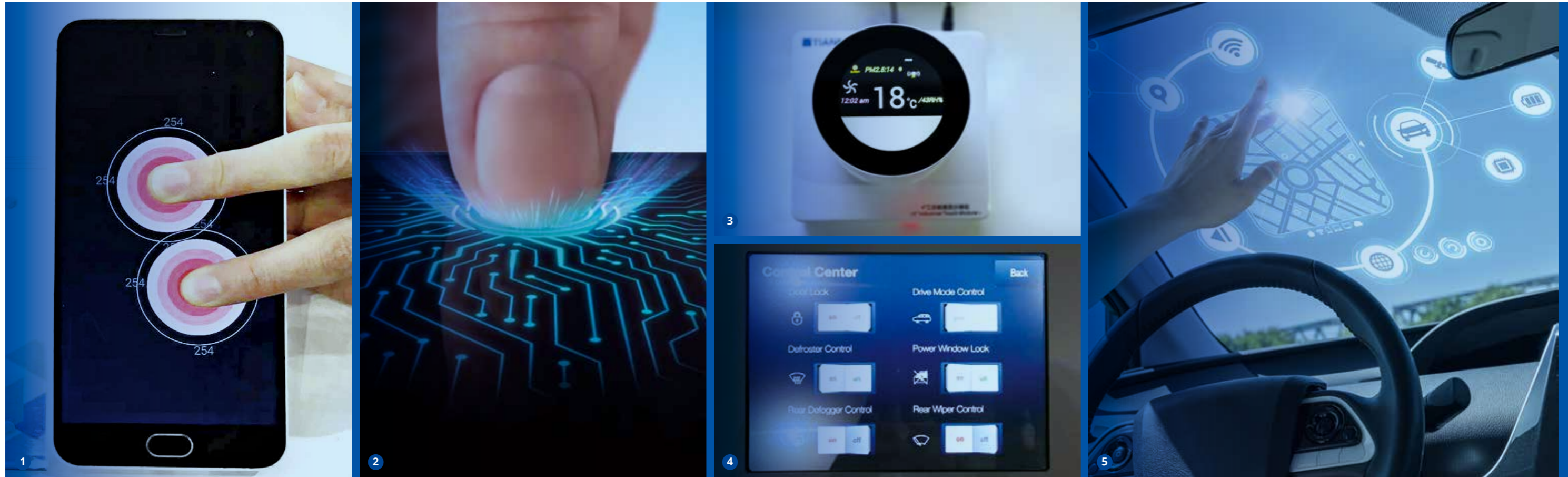
1.1mm

Freeform
The narrowest border of the mini inner hole product reaches 1.1mm, achieving the leading level in the automotive industry



LTPS Double B-Hole

Extreme aperture 2.0mm, extreme border 0.4mm, maximum sealing width 0.25mm, the highest BM width of existing structure is 2.0mm



Touch solutions

1 TED & TED PLUS™

World's first mass production of TED In-cell touch technology
Supply high-end In-cell solutions to mainstream brand customers on a large scale
Independently developed the industrial leading TED Plus™ embedded force touch screen technology

2 Under-display fingerprint

Successfully overcome the difficulties of under-display fingerprint technology, allowing fast and accurate recognition of fingerprint at a specified location on the LTPS and AMOLED screen surface while ensuring perfect display effects, Meanwhile LTPS adopts special infrared penetrable membrane material which can set the recognition area at any position of 1/4 in the display area

3 On-cell

First mass production of Air-Gap SLOC(Single Layer On-cell) Multiple Touch globally
Be a strategic partner with mainstream brand customers in the industry

4 Tactile Display

With Tianma's tactile display, users can perceive displayed information on the display by dragging the surface with fingers. It allows Multiple-touch so that users can feel different textures such as "rough" or "bumpy" sensations at same time on same display

5 Gesture Touch

Tianma gesture technology allows to operate with gesture in a space close to the display without touching.


Scale

Market Position

 **1st** Global No. 1 shipments of LTPS smartphone for two consecutive years

 **1st** Global No. 1 shipments of LCD AA hole product in 2019

 **2nd** Global No. 2 shipments of automotive TFT in 2019

 In the medical, marine, smart home, VoIP and other market segments maintain a leading position in the world.

Market layout

Focus on the intelligent terminal display market represented by smart phones, tablet PCs and advanced laptop, and the professional display market represented by automotive, medical, POS, HMI, etc., and constantly develop products and technologies for emerging markets such as smart home, smart wear, transducer, etc. Provide our customers the best possible display solutions on the market.

Intelligent Terminal Display Market



Smartphone



Tablet PC



Ultrabook



Digital

Reputation

Professional Display Market



Emerging Market



Awards



China Electronic Information Industry Top 100 Enterprise

SID 2019
Best New Display Technology
Best New Display Component

CITE 2019
7th China Information Technology Expo Gold Award, Innovation Award

DISPLAY CHINA 2019
Annual display product innovation Application Award

UDE 2019
China Display Awards



Rank as the No.1 for the overall quality in multiple brand customer sides in the competition area and keep winning important awards granted by customers



Prespective

"1+1+N" Strategy

1



The intelligent terminal display market represented by smart phones, tablet PCs and smart wear is the core business of Tianma.

1



Automotive as the key business of transformation and growth of Tianma.

N



Industrial products (medical, HMI), horizontal market segmentation, vertical industry chain upstream and downstream, non-display applications, etc. as the company's value-added businesses.



Mission _____

To Create Colorful Life

Vision _____

Being the world's well-respected leading display company

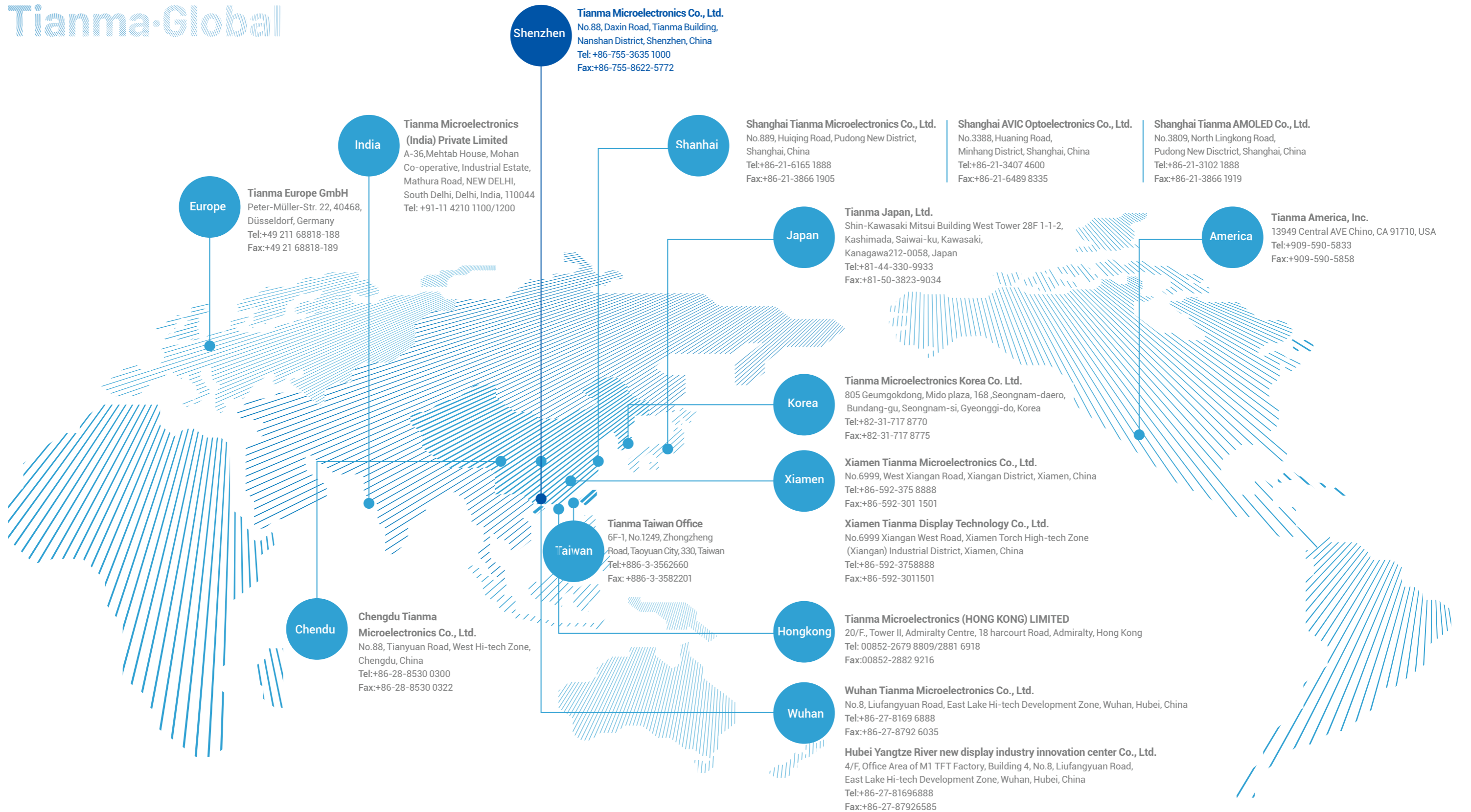
Core value _____

Passion Effectiveness Win-win

Values



Tianma-Global





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