

Apple is developing its own MicroLED display for Apple Watch and iPhone

Apple is using a secret facility in California to develop MicroLED displays for Apple Watch and iPhone, Bloomberg reports with plans to replace OLED screens in the next few years.

According to Bloomberg, Apple is using a secret California facility to develop MicroLED displays for Apple Watch and iPhone, to replace third-party OLED screens in the next few years.

Developed under the code name T159, the MicroLED screen is rated significantly brighter and has superior color accuracy compared to OLED displays, thus enabling Apple to create thinner, consumer devices. less power. They are also expected to provide a screen with superior contrast and response time, allowing for black depth, brighter white and smoother effects on Apple's smallest devices.



According to the report, Apple's Santa Clara facility is currently capable of producing a small number of Apple Watch-sized screens and will expand in the next two years to be able to produce large-scale screens for Apple. or partner companies.

Three hundred engineers are currently working on a secret project in a space of tens of thousands of square meters. Based on the current process of the plant, "consumers will probably have to wait a few more years" for MicroLED screens to appear on the Apple Watch, and "not sure if the technology will be integrated into the iPhone in at least 3 -5 years more ".

MicroLED production is said to be "extraordinarily complex" because millions of individual pixels have red, green and blue sub-pixels that must be created and calibrated individually.

Apple acquired a number of patents related to this process in 2014 from LuxVue startup and then set up establishments in both Taiwan and Santa Clara to test whether the company can produce screens. my own or not - engineers and executives just recently made conclusions as "possible".

Apple then allowed its engineers to publicly participate in many events at the screen week for screen technology in Los Angeles and it is likely they will recruit new talents there.

Apple plans to expand the use of OLED screens until MicroLED is ready for the market, switching from an iPhone model to two and adding LG vendor next to Samsung. Apple Watch will continue to use OLED screens until that time.

See more:

1. Not Apple or Samsung, the first phone to use a screen sensor called Vivo
2. Apple released iOS 11.3.1 update, fixed the touch error when the iPhone replaced the screen not genuine
3. LG does not meet Apple's requirements for OLED iPhone screens

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