

3D ink can help the phone screen 'mirror broken to heal'

Scientists at the University of Melbourne today revealed a type of del 3D in the form of 'self-healing'. This technology could one day help make the screen of the phone broken.

According to research by the group led by De Chemical Engineer. Luke Connal: " *Self-healing materials can recover from trauma, restoring previous functions, just like the natural ability of living organisms to heal their own tissue, this unique thing brings the ability to extend product life when they are often limited by mechanical damage* " .

Scientists have created a gel using a polymer that can control ink at all times. In this way, the report shows that it can create 4D objects, in which the fourth dimension is the time.

The materials we are developing can change shape when swollen in solvents, such as water. It allows printing objects to change shape, called 4D printing.



The ability to heal itself when hurt

This technology is still quite far away, maybe a few years before resolving the broken touch screen problem. The Melbourne team can revolutionize replaceable parts before solving the broken screen problem once and for all. That is also the reason why they study its application, far more than merely saving money for users.

We do this to create materials that can camouflage and adapt. We aim to create 3D printing ink that can be used by soldiers to change color and camouflage in the surrounding environment. Another idea is to create material that can be used by people on the submarine to create alternative supplies when needed, without having to store a lot on the ship. App capability is endless.

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