MEMS display

Will a mobile phone turn into a projector?

Recently, the development of ultra-miniature projection displays has accelerated. In such a projector, millimeter mechanical systems, called MEMS technology, are used. The projector is called a pico projector, for it is dramatically smaller than ordinary projectors used in the meetings. At this time, we would like to introduce moving small machines, MEMS technology.

MEMS enable us to produce the ultraminiature projection display.

A high level of technology is required in order to form a piezoelectric membrane on silicone, where our know-how on plasma technology works.

Points of light move at high speed, but they look like a plane to the human eye.

That’s the technique!

Let’s take a closer look at the mechanism of how the micromirror moves!

PZT film expands and contracts when it is energized. Its minor vibration travels to the bar and mirror moves.

In the future...

MEMS opens new possibilities.

View Images taken with a digital camera with the family and friends together

The screen display for a car navigation system is reflected on the car window.

Will big projectors be still necessary?

Make a presentation with a mobile phone.

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