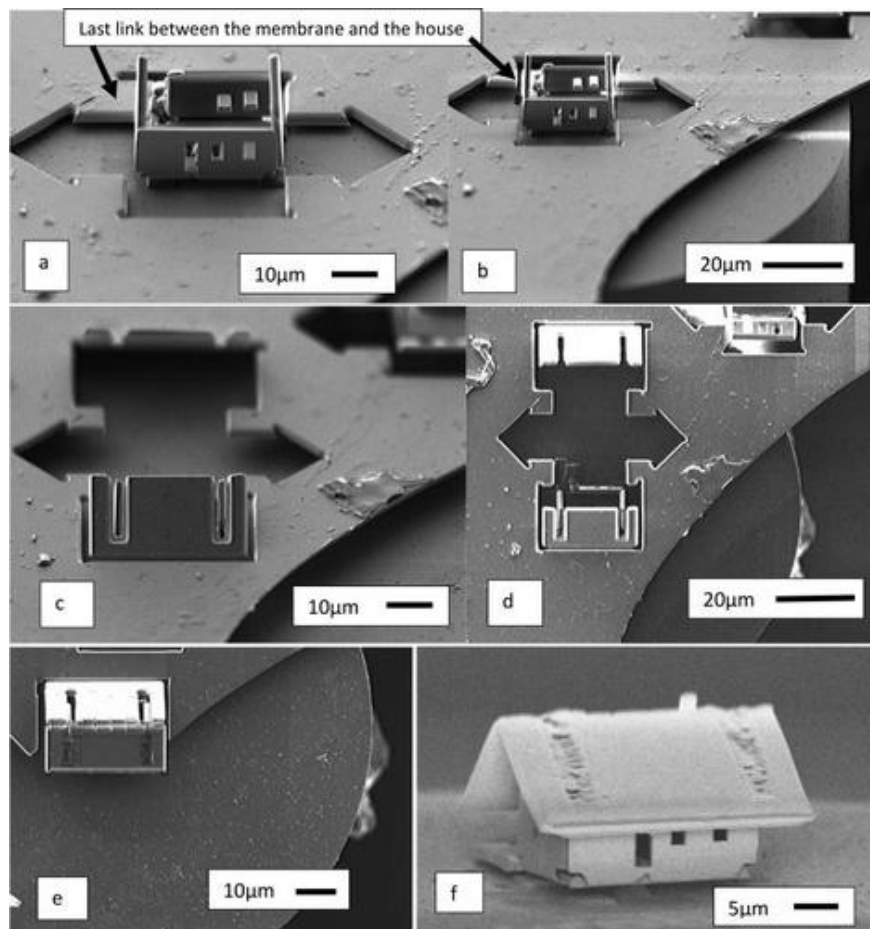


The smallest house in the world is only 15 micrometers, to observe must use a microscope

The smallest house in the world with a height of only 15 micrometers (1 micrometer = 0.001 mm) is a construction work done by French engineers at the Femto-ST Institute in Besançon.

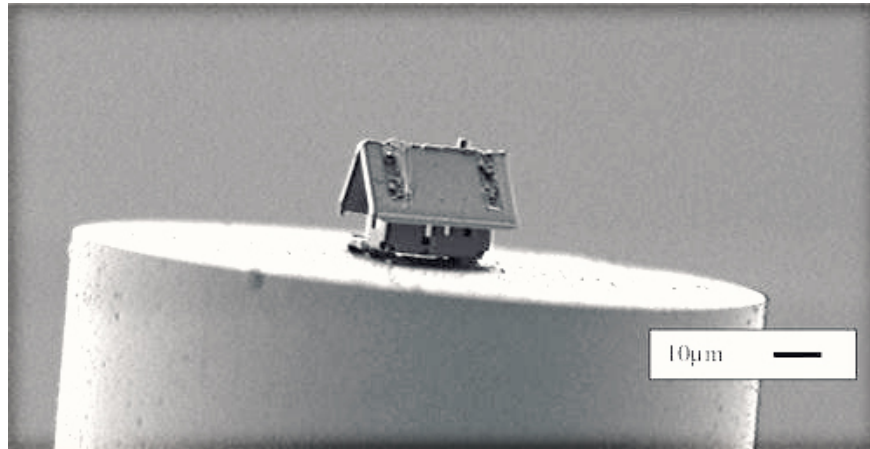
The smallest house in the world with a height of only 15 micrometers (1 micrometer = 0.001 mm) is a construction work done by French engineers at the Femto-ST Institute in Besançon.

This tiny house has a width of 10 micrometers, a height of 15 micrometers, and its thickness is smaller than a human hair. It is so small that it can fit on the surface of an optical fiber.



The process of building and assembling the world's smallest house.(Photo: Labroots).

To build this house, engineers used the uRobotex system, which works on the interaction of a number of micro-robots that can create small structures. During the construction process, all operations of the robot are controlled by the computer system.



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The smallest house in the world observed under a microscope.(Photo: Labroots).

The process of building a house is done in a vacuum chamber and to observe scientists to use a microscope.

Engineers expect the assembly process of this system to be fully automated in the future and can create microscopic structures up to a hundred nanometers in size.

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