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ASK AN ENGINEER IS MOVING TO **WEDNESDAY NIGHTS 8pm ET!**

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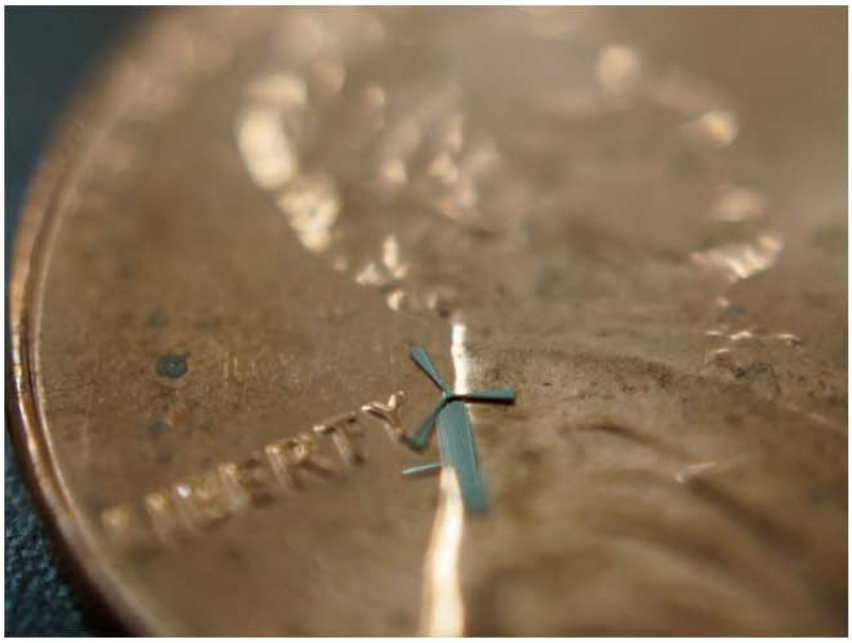
These Tiny Windmills Work, and Ten Will Fit in a Grain of Rice #Manufacturing Monday #MEMs



This conceptual design for tiny windmills is adorable and could potentially be very useful. Via Wired.

> Imagine a world where your iPhone was out of juice and there wasn't a Lightning cable for miles—wouldn't it be great if you could just blow on your phone to bring it back to life?
>
> Professor J.C. Chiao and Dr. Smitha Rao of the University of Texas at Arlington have developed a new windmill technology that could shake up the power industry and make emergency recharges possible. Unlike the industrial giants that sit in off-shore windfarms, these diminutive devices measure just 1.8 millimeters at their widest point and ten could fit on a grain of rice.
>
> These windmills would be instantly recognizable to Van Gogh, but the itty-bitty blades are examples of a thoroughly modern class of of device called Microelectromechanical Systems, or MEMS. These micro machines are widely used in electronics manufacturing, an average smartphone contains at least half a dozen, but the brittle silicone assemblies are typically reserved for static applications. Advances in nickel-alloys add durability to the structures and open up a variety of applications, including assemblies with highly dynamic parts.

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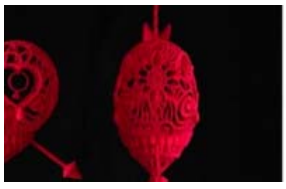
- 

  #3DxJewelry – Bleeding Heart Rose by Joshua Harker #3DThursday #3DPrinting #3D

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  This is what a computer sees

  when it watches The Matrix

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Filed under: batteries & power,manufacturing — by Jessica, posted February 3, 2014 at 12:00 am
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Name (required)

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Prove you are human by reading this resistor:

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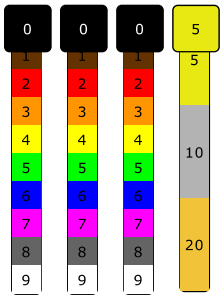

Match the sliders on the left to each color band on the resistor.

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