



AdChoices ▶ Windmill ▶ Micro Mill ▶ Wind Scale ▶ Micro Chip

YOU ARE HERE: MECHLOOK.COM » GOLEM BOT » MICRO-WINDMILLS COULD HELP CHARGE THE ELECTRONICS OF THE FUTURE

Water Pumping Windmills

www.obrockwindmills.com

Towers,Pumps,Parts,Well Supplies Shipped or installed anywhere,41yrs

Water Pump Windmill

#1 Stock to Buy Right Now

INFO LINKS

AdChoices ▶

- ▶ PCB Electronics
- ▶ Battery Charging
- ▶ Wind Chimes

CATEGORIES

- ▶ Baseline (33)
- ▶ Engineering Metrology (411)
 - ▶ Angular Measurement and Circular Division (18)
 - ▶ Comparators (12)
 - ▶ Dial Indicators and Indicating Gauges (14)
 - ▶ Engineering Metrology Introduction (16)
 - ▶ Gauges for Screw threads; ISO Metric Threads and Gauges for Them (12)
 - ▶ ISO 9000 Systems: Concepts and Practices (8)
 - ▶ Limits, Fits and Gauges (19)
 - ▶ Linear Measurements (65)
 - ▶ Machine Tool Metrology (9)
 - ▶ Machine Vision Systems (21)
 - ▶ Measurement and Testing of Gears (8)
 - ▶ Measurement by Light – Wave Interference (11)
 - ▶ Measurement of Surface Finish (14)
 - ▶ Measuring Machines (35)
 - ▶ Metrology of Screw Thread (4)
 - ▶ Miscellaneous Measurements (17)
 - ▶ Non-Destructive Testing of Metal and Alloys (16)
 - ▶ Quality Control and Quality Assurance (25)
 - ▶ Standards of Measurements (15)
 - ▶ Statistical Quality Control (34)
 - ▶ Straightness, Flatness, Squareness, Parallelism, Circularity and Rotation (11)
 - ▶ Testing and Calibration of Gauges and Dynamic Measurement (17)
 - ▶ Total Quality Management (9)
 - ▶ Exam and Interview Questions (94)
 - ▶ Engineering Mechanics (20)
 - ▶ Fluid Mechanics and Hydraulic Machines (35)

Micro-Windmills Could Help Charge the Electronics of the Future

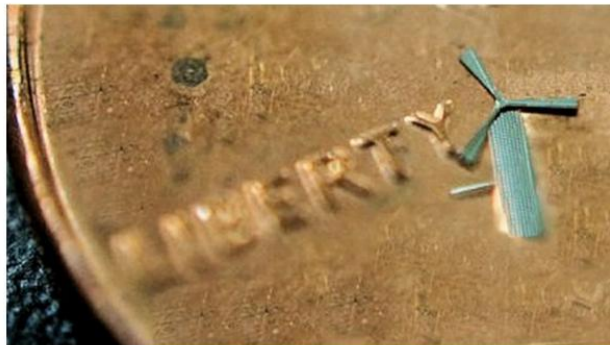
Posted By Vishnu On February 24th, 2014 01:00 AM | Golem Bot



Top 7 Mini Wind Turbines

comparestores.net

2014 Bestselling Mini Wind Turbines
Compare Latest Deals & Save Big!



Everyone's been there. You're in the middle of an important call and all of a sudden your cellphone urgently chimes in your ear, alerting you that its battery is about to kick the bucket. Although battery life has long been the bane of mobile existence, a new microelectromechanical systems (MEMS) technology could solve the ever-present problem of recharging your mobile device.

Measuring in at only 1.8 mm at its widest point, the key to possibly endless energy is a micro-scale windmill so small a single grain of rice could support ten of the tiny devices. Created by research associate Smitha Rao and professor J.-C. Chiao, the Lilliputian windmill was designed by blending origami folding with conventional semi-conductor layout technique. By uniting the two processes, the University of Texas at Arlington (UTA) team was able to create complex, self-assembling, 3-dimensional mechanical structures from 2-dimensional metal plates.

Constructed using a nickel-alloy, Rao and Chiao's windmill has eschewed the main problem facing MEMS machines—their fragility. After successful structural tests of their micro-windmills last September, the UTA team is confident that their choice of material will make their devices strong enough to handle any industry use.

This post was made using the [Auto Blogging Software](#) from [WebMagnates.org](#) This line will not appear when posts are made after activating the software to full version.

View the [Original article](#)

AdChoices ▶ Micro Mill ▶ Wind Scale ▶ Micro Chip ▶ Wind Chimes

Tags: Charge, Could, Electronics, Future, Micro-Windmills



Water Pumping Windmills

www.obrockwindmills.com

Towers,Pumps,Parts,Well Supplies Shipped or installed anywhere,41yrs

Water Pump Windmill

Top 7 Mini Wind Turbines

SEARCH

Google™ Custom Search

8+1 498

CONNECT WITH MECHLOOK



1,568 people like mechlook.com.



Facebook social plugin

Follow @mechlook 527 followers

SUBSCRIBE

Enter your email address:

Delivered by [FeedBurner](#)

ARCHIVES

- ▶ February 2014
- ▶ January 2014
- ▶ August 2013
- ▶ July 2013
- ▶ August 2012
- ▶ July 2012
- ▶ June 2012
- ▶ May 2012
- ▶ April 2012
- ▶ March 2012
- ▶ February 2012
- ▶ January 2012
- ▶ December 2011

BLOGROLL

- ▶ Christine James's Blogs
- ▶ Free Engineering Seminar topics
- ▶ Power Plants

RECENT POSTS

- ▶ LASER Beam Welding – LASER Cutting System
- ▶ LASER Technology – Properties Of A LASER Beam
- ▶ History Of Laser Welding – Laser Light Beam