

In the Spotlight

■ Omron 's ZXF vision sensors

The built-in touch screen offers interactive menus which guide the user through the entire set-up of individual tasks in three simple steps: select the inspection tools, choose the inspection regions and set the proposed inspection parameters with a push of the AUTO button. Multiple inspections per image can be configured. No PC is required for set-up, maintenance and operation.

They are available with a field of view from 10 mm to 150 mm. All cameras are available as colour or monochrome versions.

more at: www.never-fail.info and www.omron.com

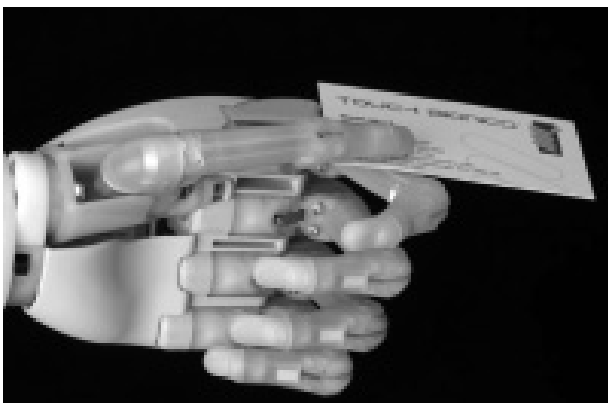


■ AI Palm

iLIMB, produced by Scottish company Touch Bionics, works almost like natural human hand, moreover it can be look humanly because is covered by a semitransparent "cosmesis", which is computer modeled to look like human skin. First users are Iraq war veterans. Their opinions are enthusiastic. iLIMB costs £8,500.

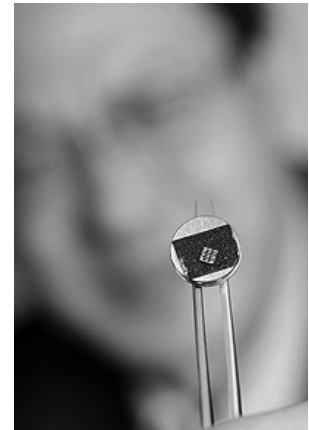
more at:

www.touchbionics.com/professionals.php?section=4



■ Nanogenerator

Scientists from Georgia Institute of Technology constructed a prototype of tiny generator, which obtains energy from acoustic vibrations or blood pulsation in the veins. Having only 2 mm² surface and working like a perpetuum mobile – it can obtain energy from any motion, it may be used as power supplier for nanodevices.



Source: Georgia Tech Photo
(Gary Meek) – official site

more at:

www.gatech.edu/news-room/release.php?id=1326

■ Spying Dragonfly

Scientists from Technische Universiteit Delft constructed quiet, light, fast and nimble dragonfly-like robot. DelFly II weighs 16 kg and can fly trough 15 minutes with maximum speed up to 50 km/h; it also can fly backwards or make starting and landing horizontally. Small camera and wireless communication system enable video recording in the real time. Taking into consideration fact that the drive is noiseless, efficient, and relatively resistant, and also the robot can be remote controlled, DelFly seems to be ideal spying device. Scientists are working currently on smaller DelFly Micro, and are announcing DelFly Nano.

more at www.robonet.pl

