



## **Bulow Biotech Prosthetics Introduces OSSUR'S PROPRIO FOOT™ in Tennessee and Kentucky**

(Cookeville, Tenn.) – Bulow Biotech Prosthetics introduces a revolutionary new prosthetic technology, PROPRIO FOOT™ by Ossur, for amputees. Bulow Biotech is the first certified prosthetics company to offer the technology in Tennessee and Kentucky.

The most advanced prosthetic technology available, the PROPRIO FOOT™ replicates the natural functioning of the lost limb better than any technology available. Ossur, a global leader in advanced prosthetics, utilizes artificial intelligence and cutting-edge sensor technology, to offer benefits for transtibial, or below-the-knee, amputees.

Bulow Biotech Prosthetics' Matt Bulow, C.P., and Scott Moore, C.P., have undergone training and certification from Ossur in order to most effectively fit their patients. Bulow, a below-the-knee amputee and founder of the company, is testing out the new technology first-hand, initially fitting himself with the new Ossur prosthetic ankle. Bulow explained that another patient who lost his limb in a work-related accident is also being fitted with the new ankle.

"I am very excited to experience the results of the Ossur ankle myself as well as offer the knowledge and technology to others in the community," Bulow said. "The PROPRIO FOOT™ gives us yet another option to help us achieve our personal goal of improving the quality of life for our amputee patients."

While the Ossur foot is new to the public, the Department of Defense and the Veterans Administration have already been using the technology to benefit servicemen returning from Iraq and Afghanistan, as well as veterans of past wars. In addition, the PROPRIO FOOT™ has been featured on CBS Evening News with Katie Couric and in the The New York Times.

The PROPRIO FOOT™ was given its name for its ability to detect where the foot is in space – proprioception – enabling it to identify slopes and stairs after the first step, and then instructing the ankle to flex appropriately. Users place their foot on a step when climbing or descending stairs and the prosthesis automatically adapts its ankle position to enable the next step. This active ankle motion also allows wearers to more easily sit down or rise from a chair.

The foot's anatomically correct response creates a more symmetrical and balanced gait, reducing the need both to "hip hike" and to load the entire body weight on the sound limb.

"This reduces the energy that patients spend in reacting consciously to the environment," said Ian Fothergill, Ossur's clinical bionic expert and prosthetist. "And it gives them more confidence and puts less strain on the sound limb and the hips, back and knees."



The PROPRIO FOOT™ is user-friendly, with easy set-up and operation. During a simple 15-step calibration process, the device evaluates and memorizes an individual's unique gait pattern. Plus, heel height can be easily adjusted at any time without compromising alignment.

### **Technology in Action**

Importantly, the PROPRIO FOOT™ replaces muscle function that was lost with the amputation. The foot enables amputees to perform activities in a normal and functional pattern by:

- Sensing. Knowing where their foot is in space is a huge safety issue for amputees. Sophisticated sensor technology mimics the body's own neural receptors that are sensitive to mechanical change, providing artificial proprioception, the sense of where the limb is in space. Hence the name PROPRIO FOOT.
- Thinking. Patent-pending artificial intelligence (AI) processes information from the sensors and activates the most appropriate response for the next step.
- Acting. The AI transmits a constant stream of signals which instruct high-precision actuator technology to act and deliver optimal function.

For more information about Bulow Biotech Prosthetics, visit [www.bulowbiotech.com](http://www.bulowbiotech.com).

### **About Bulow Biotech Prosthetics**

Matthew A. Bulow, C.P. founded Bulow Biotech Prosthetics in July 2006. As an amputee himself having lost his leg below the knee to cancer, Bulow decided to utilize his first-hand knowledge of prosthetic treatment in helping other amputees. Headquartered in Cookeville, Tenn. with a location in Clarksville, Bulow Biotech prides itself in combining personalized care with the most advanced technology for its patients.

### **About OSSUR**

Ossur (Icelandic Stock Exchange: OSSR) is as much about helping people to live a life without limitations as it is about its orthopaedic products. A trusted and global leader in the development, manufacturing, sales and marketing of bracing and support products and prosthetics, Ossur pioneers award-winning designs – including its bionic technologies – and partners with the health practitioners who use them to deliver successful clinical and business outcomes. Headquartered in Reykjavik, Iceland, the company has operations throughout the world. The company allocates an industry record of 6-8 percent of its revenue on research and development to conceive and harness the most advanced technologies for incorporation in its product designs, and provides extensive education programs through the Ossur Academy. Website: [www.ossur.com](http://www.ossur.com)