

**Contacts:**

Delphine Rochat  
Marketing Exhibition & Media Specialist  
Direct: +41 21 800 95 82  
[d.rochat@fischerconnectors.ch](mailto:d.rochat@fischerconnectors.ch)

Sophie Rouquette Studer  
Marketing Project Leader  
Direct: +41 21 800 96 17  
[s.rouquettetuder@fischerconnectors.ch](mailto:s.rouquettetuder@fischerconnectors.ch)



Medical

03.2010

## Fischer Connectors Helps Amputees Connect To New Found Freedoms

### Watertight, rugged, miniature connectors selected for LimbLogic VS prosthesis

When Ohio Willow Wood took upon the challenge of designing a waterproof prosthesis, it opened a whole new world for amputees. With the evolution of its LimbLogic VS, amputees now have the freedom to swim in fresh water, cycle, and enjoy life. Previously, amputees with LimbLogic VS in their prostheses had to be cautious in inclement weather and wet environments. Activities like swimming and water sports were completely out of the question.

The evolution of a product often leads to the transformation of lives. End users and patients benefit from continuous improvements, especially when it comes to Ohio Willow Wood's new vacuum suspension system. With this goal in mind, product engineers knew it would take a great deal of collaboration with other equipment manufacturers to make LimbLogic VS and all of its associated components.

One of the major keys to success was that the LimbLogic VS controller had to be sealed, watertight and leak proof. For this reason, the supplier selected to provide the connector and cable assembly technology was Fischer Connectors.

When working to design LimbLogic VS, product engineers also wanted to eradicate the discomforts of past prosthetics, and revolutionize the industry. To achieve this, it was necessary to have a reliable and controllable vacuum suspension device. Product engineers wanted to eliminate both external tubing to the socket and bulky mounting. Key features they wanted to incorporate included easy inline mounting in a prosthesis, "set and forget" intelligent monitoring of pressure, remote control operation, a waterproof controller, and quiet operation.

They knew that Fischer Connectors, an innovative company like themselves, worked to revolutionize the connector industry. Well-known for its product reliability in the healthcare industry, and specifically the medical device community, Fischer connectors are light, compact, rugged and reliable. Fischer's patented push-pull technology has become an industry standard.

Another factor in Ohio Willow Woods decision to select Fischer Connectors is its focus on being a

total solutions provider. Fischer is well-known for providing complete and integrated solutions and its ability to adapt 100% to the customer's time frame. Its comprehensive product range includes over 10,000 standard items in addition to the company's passion to produce customized solutions.

"Fischer's connectors gave Ohio Willow Wood exactly what we needed: a water-tight, rugged, miniature SS-102 series connector which could not be forced, and yet could be blind-mated easily," stated Mike Haynes, design engineer at Ohio Willow Wood. "Fischer's assistance with samples, CAD drawings, and prompt delivery allowed Ohio Willow Wood to get to market quickly. Fischer became a partner that we can rely on."

According to Daniel Spycher, International Sales Director for Fischer, "Today's healthcare market needs change so quickly that tomorrow's technology can become obsolete even before a product is introduced. Product development time frames are constantly adjusted to accommodate this consideration. For fifty years, Fischer has adapted to rapid changes in this industry to meet the demands of our customers. We are very pleased to work with Ohio Willow Wood."

For more than 50 years, Fischer Connectors has been designing, manufacturing and distributing high performance connectors and cable assembly solutions. Known for their reliability, precision, and resistance to demanding environments, its products are commonly used by military forces worldwide. Primary design and manufacturing facilities are located in Switzerland, with subsidiaries and distributors located worldwide.

For more information, log on to [www.fischerconnectors.com](http://www.fischerconnectors.com)