

PRESS RELEASE

OrthoX Develops New Orthopedic Cement That Wins Indiana's TechPoint Mira Award for Excellence and Innovation

Awards celebrate most innovative, fast-growing tech firms. Indiana Tech sector one of few to grow throughout recession

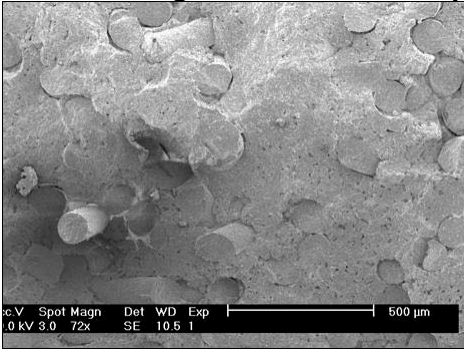
[GRANGER,IN] (May 16, 2010) — TechPoint, Indiana's economic development initiative focused on technology and entrepreneurship, recognized OrthoX, LLC as one of the state's high-tech success stories during its annual Mira Awards gala held at The Westin hotel in downtown Indianapolis. Now in its 11th year, the TechPoint Mira Awards highlight Indiana's technology companies, institutions and individuals who are leading the state's high-tech economy.

The Mira Awards identify the most innovative and successful firms in information technology, as well as technology-focused companies in industries like advanced manufacturing, logistics and the life sciences. OrthoX has won the highest TechPoint award for Excellence and Innovation for its innovative orthopedic cement in this fierce competition between the state's most innovative tech companies.

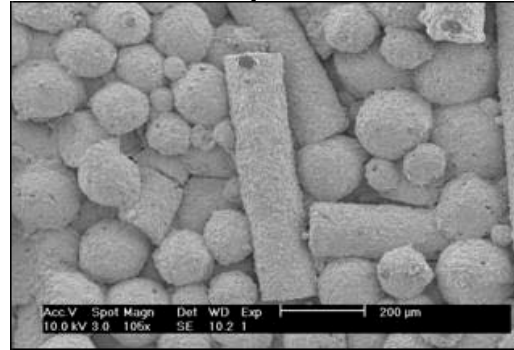
OrthoX, LLC. (formerly Granger Engineering, LLC) received the award for establishing a successful business based on the results of several years of R & D work on increasing the fatigue strength of orthopedic implant cements. The products emerging as a result of this effort, funded by grants from NSF and Indiana's Economic Corporation for Development, can potentially reduce the incidence of failure of the cements by making them tougher. This effort has produced astonishing results in improving the longevity of one of the weak links in implants, namely, the premature failure of the cements holding the implants in place. This breakthrough has the potential of reducing or eliminating the need for the dangerous, painful and increasingly common replacement surgery of implants that have worn out.

President James Mason, Ph.D. stated that "This work has provided long sought after change in the performance of these necessary cements. Our efforts have produced an additive and method to utilize existing bone cements while increasing the fatigue life span of the cement by a factor of more than 100 times. All of this is achieved without changing the handling characteristics of the cement significantly." The OrthoX technique uses conventionally accepted bone cements and compounds them with uniquely shaped and formed bio-compatible ceramic fibers. The sintered ceramic fibers are flexible and have a structure that permits a significantly stronger interface between the cement and fiber than with previously used metal, carbon or ceramic fibers. The very small diameter ceramic fiber developed for this program by OrthoX utilizes unique features of the patented Viscous Suspension Spinning Process to make variable diameter fibers with an extremely high surface area. The size and flexibility of the fibers makes the composite cement readily injectable through traditional cement guns, permitting a higher volume percent fiber loading than was possible with previously tried stiff fibers.

Scanning Electron Microscope Photos of Fibelex Orthopedic Cement



Fibelex Fibers in cement matrix showing excellent bonding and minimal pull-out

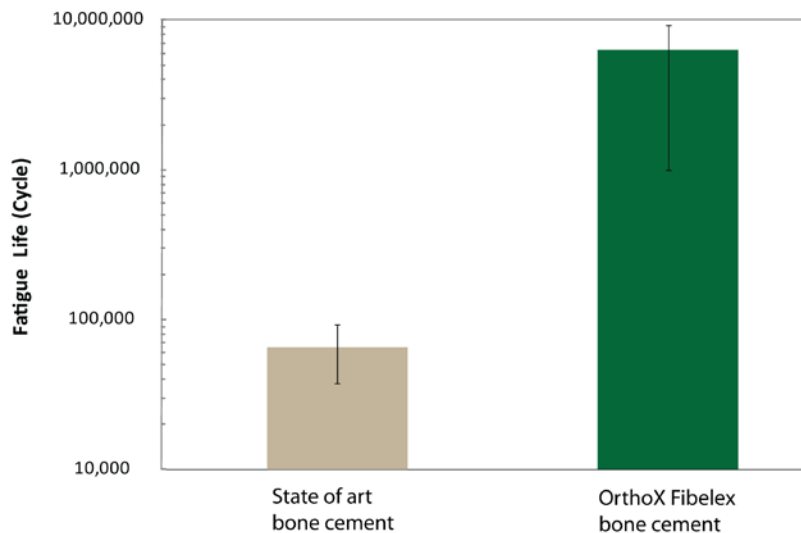


Fibelex fibers in pre-injected powder demonstrating uniform fiber distribution.

Dr. Mason states that, "We expect this breakthrough to greatly enhance the comfort level of surgeons using these new bone cements for their implant patients while increasing the span between implant surgeries and easing the pain for the patient by reducing implant loosening, common in today's joint replacements."

The new materials are currently undergoing biocompatibility testing and are being prepared for FDA evaluation

[Comparison chart showing the performance of the OrthoX cement versus current state of the art cement.](#)



About TechPoint

TechPoint is the only statewide organization representing Indiana's technology sector. TechPoint promotes technology-based enterprise and economic development through lobbying and government advocacy, educational and networking programs, and strategic economic development initiatives. As a part of the Central Indiana Corporate Partnership's family of initiatives, TechPoint is a catalyst for growth in Indiana's emerging technology clusters, including advanced manufacturing, logistics, life sciences, energy and information technology. Learn more at www.techpoint.org.

CONTACT: James Mason, President, jim.mason@orthox-us.com
Weimin Yue, Chief Scientific Officer, wuyue@orthox-us.com