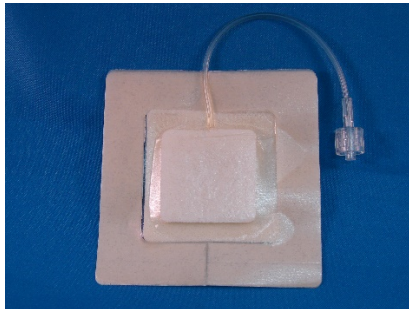
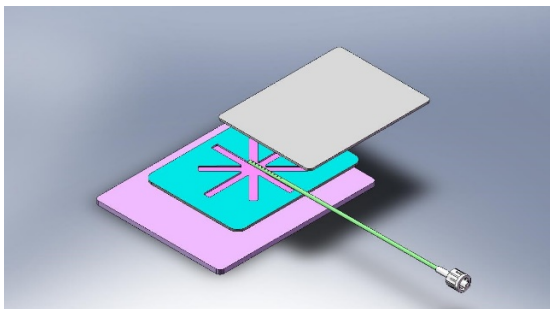


Xennovate Medical® develops solutions for EO₂ Concepts' novel Transcutaneous OxySpur® Oxygen Diffusion Dressing

EO₂ Concepts developed a novel product to aid patients suffering from difficult-to-heal wounds. During the early development of the device EO₂ Concepts was searching for a supplier capable of delivering a dressing that met their needs.

Xennovate Medical® was manufacturing one of the critical components to be used in the dressing design, namely Hydrocolloid. Working together we developed a multi-level layered construction including various breathable foams and polymeric films that contained their proprietary OxySpur® delivery zone for the wound.

Xennovate Medical constructed dressings with and without adhesive securement to work in various situations. In addition we developed different size dressings to fit the treatment site, including 2" x 2" and 4" x 5" sizes. We also developed a 'lite' version of the dressing that can be used to aid healing for surgical incisions. This Lite version comes in a 2" x 8" size.



The dressings are connected to a wearable Oxygen pump through a cannula that delivers the prescribed low pressure Oxygen to the wound bed. Users apply the dressing to the wound and activate the pump. Initially, caregivers change the dressings every few hours, depending on the amount of exudate being generated from the wound.

Through an innovative double-blind clinical study, this integrated oxygen delivery system greatly accelerated healing rates of some of the most difficult to heal wounds

The dressings are produced, assembled and packaged in Xennovate's ISO-7 certified Clean room facility located in Mentor, Ohio. Xennovate is proud to be a partner to EO₂ Concepts and looks forward to working with other Medical Device companies seeking innovative solutions in the future.



Xennovate Medical® provides innovative products and design services using hydrocolloid adhesives created specifically for wound and ostomy care, as well as skin attachments. We are headquartered in Mentor, Ohio and specialize in standard and customized products that meet the needs of our medical customers.

EO₂ Concepts is an advanced wound care technology company based in San Antonio, TX. As the developer of a progressive FDA cleared Class II, CE marked medical device, they provide Continuous Diffusion of Oxygen (CDO) Therapy to patients suffering from difficult-to-heal wounds.

Xennovate Technical Team