



Partnering for Pressure Relief

Case Story: Why coated fabrics matter for True Source alternating pressure mattresses

Since 2001, True Source has manufactured anti-decubitus mattresses from its facility in Taiwan, China. Using Dartex® by Trelleborg Engineered Coated Fabrics for top covers brings a variety of clinical benefits, as well as comfort for the patient.

What is an alternating pressure mattress?

An alternating pressure mattress is a specialized medical device designed to prevent and treat pressure ulcers.

It achieves this by periodically redistributing pressure across the surface of the mattress.

The internal air cells cyclically inflate and deflate.

This process changes the points of contact between the patient's body and the mattress surface, thereby redistributing pressure and improving blood flow to the skin and underlying tissues.

Who needs alternating pressure mattress?

Patients who are at high risk of developing pressure ulcers typically require an alternating pressure mattress.

This includes individuals who are:

- Bedridden or immobile patients who are unable to change their position frequently.
- Elderly, as aging skin is more susceptible to pressure damage.
- Limited or no ability to move parts of their body.
- Suffering from severe illness or injury, resulting in prolonged bed rest.
- Suffering from existing pressure ulcers, as this helps prevent further damage and aid in healing.

"Trelleborg Engineered Coated Fabrics has been a good partner for us for our mattress covers. Trelleborg understands the requirements of our business and supplies high quality fabrics for our alternating pressure mattresses. Their technical expertise sets them apart from other fabric providers we have previously used."

Cindy Chien, Product Manager, True Source

Benefits of an alternating pressure mattress

Pressure Relief: The primary function is to reduce pressure on critical areas of the body, such as the heels, elbows, shoulders, and sacrum. Dartex® fabrics have stretch and recovery properties, which allows the top cover to move in harmony with the moveable air cells beneath.

Durability and Hygiene: It is imperative that alternating pressure mattresses are made from durable materials that are easy to clean. Dartex® fabrics have antimicrobial properties to help prevent infections.

Comfort: Despite the mechanical operation, the mattress is designed to provide comfort to the patient, often incorporating a soft, breathable cover.

Low Air Loss: Certain models feature low air loss to help manage moisture and temperature, further preventing skin breakdown.

Adjustability: Customizable settings to cater to the specific needs and preferences of the patient.

“True Source is a great example of a company that really understands the requirements of the patient. By choosing to work with Dartex® fabrics from Trelleborg, True Source ensures that the whole mattress system is aligned – the cover and the core working together for the benefit of the patient.”

Lawrence Tan, APAC Business Development Manager
Trelleborg Engineered Coated Fabrics

STOP THE PRESSURE WITH TRUE SOURCE

Alternating pressure mattresses play a crucial role in the care of patients at risk for pressure ulcers by providing dynamic pressure redistribution, enhancing comfort, and promoting skin integrity.

These mattresses are essential in both hospital and home care settings for maintaining the health and comfort of vulnerable patients.





➔ www.medical-truesource.com / service@medical-truesource.com
 ➔ www.trelleborg.com/en/engineered-coated-fabrics/HM-Range/
 TIS.ECF.HealthMed@trelleborg.com









IMAGE SOURCE: TRUE SOURCE

About Trelleborg:

Trelleborg is a world leader in engineered polymer solutions that protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way.

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Speak to our team for more information:

-  TrelleborgECF.com
-  TIS.ECF.healthmed@trelleborg.com
-  **UK Address:** Acton Close, Long Eaton, Nottingham, NG10 1FZ
-  **UK/Rest of World inquiries:** +44 (0)115 983 7676
-  **US Address:** 152 Bethany Road, Monson, MA 01057 USA
-  **US inquiries:** +1 (617) 691 7371