

## Eco-Friendly Healthcare Company Dassiet Revolutionizes Fracture Treatment with A New Product Line UCAST

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### Editorial

Today, the materials company Dassiet is launching UCAST – a product line targeted towards hospitals and health centers, making fracture treatment faster and safer both for the patient and medical staff. Thermoplastic UCAST cast takes only about 5 minutes to apply, while a traditional cast can take up to 30 minutes to prepare. UCAST splints are made of completely non-allergenic and non-toxic materials, and the medical staff does not need to use protective gear while casting. For the patient the splint is light- weight, breathable and unobtrusive.

The splint used in UCAST is made of the wood composite material called wood cast, which has already been used in hospitals around the world for more than 10 years. Wood cast is also used in the field of veterinary medicine, including institutions such as the Veterinary Teaching Hospital in Helsinki. Due to its safety and ease of use, the material is in widespread use in the medical field. Developed by casting professionals, UCAST will be a big step forward in trauma treatment. It is a breathable and non-toxic cast that removes the need to measure, cut and clean up during fracture treatment. UCAST also helps hospitals to fight against the climate change – the splint is completely biodegradable, and the fabric can be recycled **Figure 1**.

Michael Lindroos, COO at Dassiet, is responsible for the product development and has created UCAST in cooperation with physicians, researchers and other cast technicians.

“I have carried out the duties of a cast technician since 1999.



**Figure 1** The new cast, consisting of biodegradable wood cast material and self-adhesive unitex fabric, makes casting significantly faster and safer.

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Patient’s wellbeing and proper treatment have always been my top priorities, which is why I have spent the past years developing UCAST to make the daily lives of my colleagues and the patient easier. UCAST consists of only two materials: thermoplastic wood cast splint and padded fabric. Our innovative fabric completely replaces the stockinettes, paddings, bandages and tapes needed during casting. Units using UCAST spend less time on

The procedure, which in turn can reduce the waiting time for patients. UCAST is an effective, fast and safe cast, which is something that I always wanted when I was working in a hospital”, Lindroos comments.

In addition to launching UCAST, Dassiet continues product and material development. Recently, the company acquired a leading US company OrthoPets that produces veterinary orthoses and prosthetics. Improving veterinary treatment is one of the main focuses of Dassiet. Furthermore, Dassiet offers various industries an opportunity to replace the plastic parts with durable and ecological wood composite and biopolymer options.

The first products available in the UCAST product line include a wrist splint and a short thumb splint. More products for the treatment of upper and lower limbs will become available soon. Additional information on UCAST products can be read at **www. ucastmedical.com**

Watch the UCAST launch trailer: [ucastmedical.com/trailer](http://ucastmedical.com/trailer) More UCAST product images: [ucastmedical.com/press-kit](http://ucastmedical.com/press-kit)

### Additional information about Dassiet

Dassiet is a materials company that was established in 2008. It develops efficient and ecological super materials for various industries, such as health care, sports and technology. Dassiet is best known for its woodcast wood composite, which has been clinically used in fracture and trauma treatment around the world for more than a decade. Wood cast is an ecological, durable and

thermoplastic material that replaces plastic in many products and applications. Dassiet's most recent innovations include orthopedic product lines UCAST and UPETS, which will revolutionize trauma treatment for both humans and animals.

**Additional information about Dassiet's products and team:**  
<https://www.dassiet.com/>