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Lightweight Hand-Launched Glider Developed Using Textreme

Borås, Sweden, 24 March 2009 - Momentum Model Technologies HB, Sweden, has developed its Lightweight Hand-Launched Glider, model Sirius F3K, using Oxeon's spread carbon tow fabric TeXtreme®.

The fuselage and wings of this glider incorporates TeXtreme® fabric to achieve further weight reductions than earlier models. With its wing span and length measuring 1.5 and 1.1 m respectively, this lightweight glider weighs only 215 g and is 7% lighter than other glider models made using conventional woven carbon reinforcements.

The lightness of the glider, attributed to TeXtreme's structure, offers the weight-conscious professional practitioners of this sport the advantages of easy, quick and accurate maneuverability. Remote controlled gliders require a fine balance in construction and TeXtreme® uniquely enables achievement of uniform weight distribution

Andreas Böttcher, VP Sales & Marketing, Oxeon, observes that the hand-launched glider sporting is an extremely delicate and weight-sensitive activity that requires sturdier constructions using lighter reinforcements. The special need of this sporting field has literally steered Oxeon to focus on producing suitable lightweight reinforcements for them.

"TeXtreme's unique flat structure produces relatively less crimp in the fabric. As a consequence, there is significant reduction in accumulation of unwanted matrix in the crimping pockets. In a sport where each gram can influence the outcome, TeXtreme® definitely gives us the opportunity to engineer advantages in the gliders that we build for our highly skilled and professional customers", expresses Mattias Hammarskiöld of Momentum Model Technologies, in a matter of fact way.

TeXtreme® spread carbon fabrics offer increased mechanical performance besides ease of handling and draping. Together with its attractive chequered appearance, TeXtreme® is the preferred carbon reinforcement for a variety of applications now.

About Oxeon

Founded in 2003, Oxeon has quickly established itself as the market leader for spread tow carbon reinforcements. Use of these reinforcements increases the mechanical performance of composite material products. Utilization of Oxeon's TeXtreme® fabrics and TeXero® UD tapes by manufacturers of advanced aerospace, automotive, racing, industrial and sports products in applications that have critical material performance requirements has affirmed the significance of Oxeon's materials.



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