

PRODUCTS IN ACTION

Nemesis Composite Raceplane - Unbeatable performance



The Nemesis raceplane.

Class IF1 air racing involves aircraft circumnavigating a three mile course at speeds in excess of 250 m.p.h. and at altitudes as low as 50 ft. Each turn is marked by a pylon and the aim is take the turn as sharp and as fast as possible. The result is that the planes and pilots have to withstand high G forces.

The most successful race plane in the 51 year history of air racing is Nemesis. In just 8 years Nemesis and its pilot Jon Sharp broke 15 World Speed Records, set the qualifying record, lap record, and race record for every course they flew and were undefeated in 44 consecutive starts.

Divinycell-based sandwich composites were used extensively in the fuselage and wings of Nemesis, providing the strength necessary to withstand the exceptionally high G forces whilst minimizing weight. Nemesis successor, the NXT, is currently being built and will also use DIAB cores.

