Atair Parachutes

The most efficient parachute wings ever created!







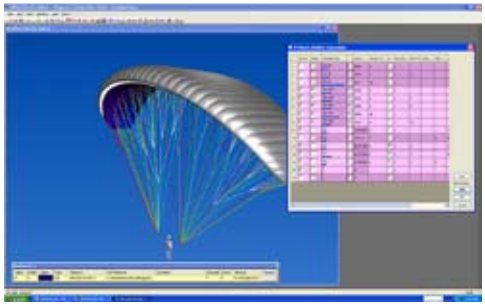

Atair Aerospace specializes in the design and precision manufacture of high performance parachutes. With more than 86 patents awarded or pending, Atair is dedicated to defining the state-of-the-art. Applications include military, personnel, cargo, and UAV recovery parachutes, from elliptical parafoils to rounds, with weights ranging from 2 to 5000 lbs.

Parachute engineering and design services are available for your specific application and payload weight.

Advances in the state-of-the-art include:

- The world record for highest wing loaded canopy to produce positive lift
- Staged openings without the use of pyrotechnics
- The first non-woven, composite fabric parafoil
- The largest elliptical paraglider constructed and flown
- The world record for the smallest 9-cell parachute ever flown and landed
- Mono directional valve technology for increased lift over drag

Atair has spent years developing the knowledge and technology for improving the inflated airfoil shape and flight characteristics of ram air wings. While traditional 3D computer modeling works well for rigid wings, it does not work well for the flexible and stretchable membrane structures of ram air inflated wings. Therefore, a traditionally computer-modeled wing will inflate to a different shape with complex distortions when constructed in fabric. Atair has greatly reduced this distortion by developing specialized software and methodologies to create specific tension patterns within the ram air wing structure.



Atair's technology has advanced the state-of-the-art to include new assembling techniques and, for the first time in over 50 years, innovative new materials.

For more information, visit www.atairaerospace.com.

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