

The ArrowCopter AC20 – Don't Compromise.

Most things in life require compromises in which you settle for less than expected. At FD Composites we believe in choices rather than compromises. You have the choice to fly any gyrocopter. And you have the choice to fly the ultimate in performance, style and safety: the ArrowCopter.

Our leitmotif over six years of intense development time can be summed up in a single word: uncompromising. The result is a closed, tandem seating gyrocopter whose aerodynamic shape not only looks excitingly stylish but also has aerodynamic sex appeal that translates into speed, performance and safety. Recently, the ArrowCopter has been awarded the Austrian type certificate based on the widely accepted and tough British BCAR Section-T standard. On this basis it will now be possible to obtain a registration for the AC20 also for other countries.

Already long before the ArrowCopter saw the light of day we put it through its paces. Using sophisticated Finite Element Analysis running on hefty computing workstations we simulated the highest loads under the worst conditions to make sure nothing breaks when it shouldn't. You will find safety in the sculpted Carbon Fiber / Kevlar seats. Or in the outboard fuel tanks. Or in the superior strength of the double Carbon Fiber shell protecting pilot and passenger. Or in the wide stance of the Arrow-Copter's main gear. In fact, you won't find a single item which we didn't engineer with uncompromising safety first and foremost in our minds.

With the ArrowCopter you can explore the world like in no other aircraft – high or low, fast or slow, and anything in between. Sleek aerodynamics and reliable Rotax power make traveling at 120 mph a breeze. Just put the pitch adjustable prop in cruise, listen to the muted sound of the fully enclosed engine, adjust the cabin ventilation and temperature to your comfort and watch the landscape speed by, either by looking out the fully enclosed canopy or by monitoring the 3D moving map display on the EFIS. And once you're there, your landing will be smooth and easy thanks to the cushioning effect of the lift provided by the wings that also double as a rugged landing gear with more than eight inches of shock absorbing travel. Performance is more about brains than brawn. It's comforting to know that the ArrowCopter has both.

The ArrowCopter's composite construction is manufactured using industry renowned facilities with a clean room environment, autoclave curing, laser cutting, CNC machining, ultrasound testing and more brought to work in order to turn out uncompromising quality.

Ultimately, what we tried to achieve is uncompromising harmony. The kind of harmony you experience when you fly an Arrow-Copter and you feel that the machine is a natural extension of yourself. Everything is right where it ought to be and works just how you expect it to. That's the hallmark of good design.

A design creates emotions. Emotions shape values. Values change the future. We predict that the Arrow-Copter will do no less.