

Spring 2022



Facilities

A tour of our facilities. We sell Hummingbird helicopters all around the world. Since traveling can be difficult if not restricted because of the current situations we are bringing a tour of our facilities to you. We are proud of our accomplishments and facilities.

Sales, Research, Development and Flight Test Center



Manufacturing



Sales Office



Engineering and CAD Design



Flight Test and Sales Demo Hangar



Quality Assurance Office & Coordinate Measuring Machine



Fuselage Being Assembled



Fuselage Assembly Fixture and Paint Booth



Tail Cone Assembly Fixture



Component Assembly Workshop



Blade Assembly Shop





Blade Bonding Fixture

Blade Balance Fixture



Composite Workshop



TIG Structural Welding



Large Inventory of Spare Parts



Hidden Values

Safety is Priceless

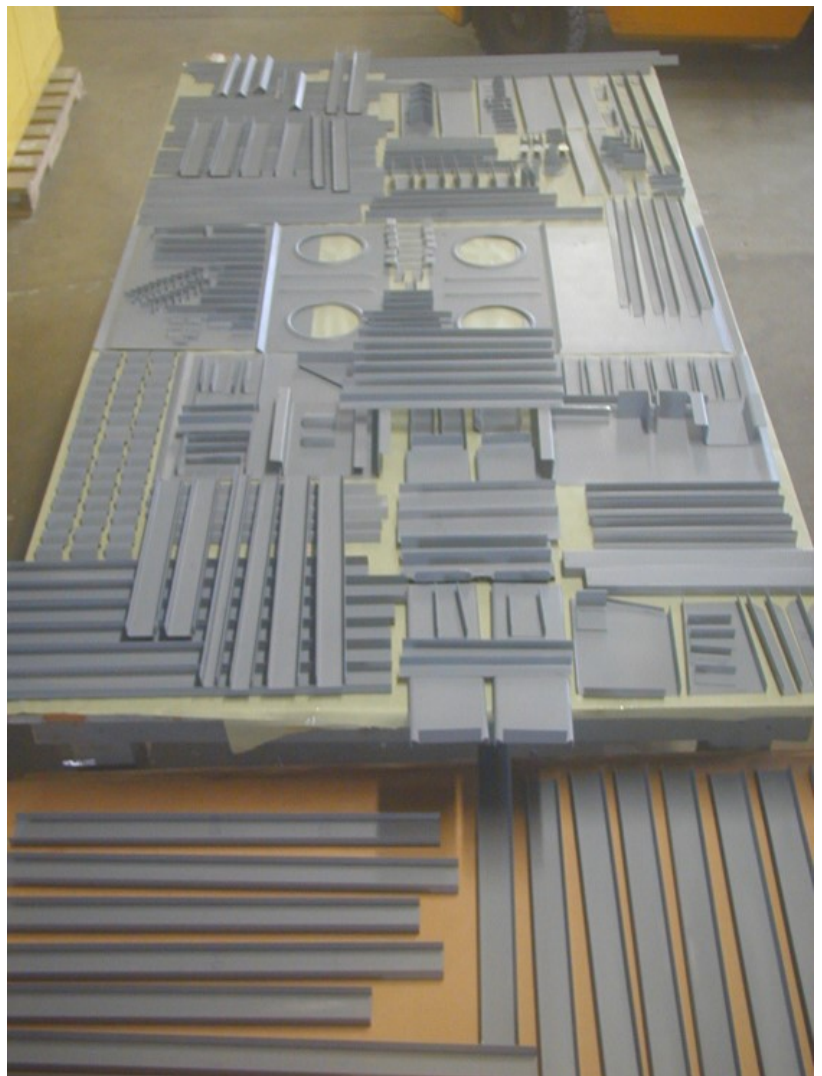
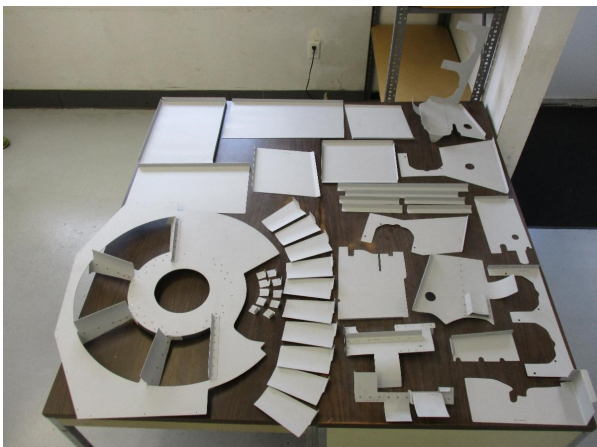
There are a lot of "hidden" values in purchasing a Hummingbird that are not obvious. Our composite materials for example are the highest quality epoxy resins. They won't burn or smell like a boat. Polyester resins should never be used in aircraft. All hardware, wire, switches, circuit breakers and materials are all aircraft quality. These are "hidden" values you are receiving when you purchase your Hummingbird. Remember this when you are comparing costs. Safety is priceless.

Also safety features now incorporated in the Hummingbird kit include occupant safety requirements addressing fuel system crash worthiness, seat and surrounding structure protection, energy absorbing wheeled landing gear, automatic collective pitch reduction in the event of power-plant/rotor drive failure and no control restrictions with the three blade articulated rotor, eliminating any unsafe mast bumping associated with two bladed rotor systems. Does your helicopter have a roll over fuel shut off valve? The Hummingbird does. The fuel cell bladder liners meet the 370 pound puncture test.

All standard Hummingbird 300L kits now include pre-bent angles, engine baffling, and cooling shrouds pre-made.

Pre-bent Angle Kit

Baffles and Shrouds



Hummingbird 300L Quickbuild



Save 700 Man Hours build time
Includes Tail Cone and Stabilizer not shown

When you purchase the Quickbuild you receive a factory built fuselage and tail cone. This includes the lower cabin, upper cabin, firewall, nose, windshields, chin windows, center console, instrument panel, tail cone, tail stabilizers, all assembled and sitting on landing gear. We perform the entire fabrication, assembly, and riveting of the sheetmetal construction process for you. Imagine building your own helicopter from a factory built fuselage. Contact us about the pricing for this Quickbuild kit. Email sales@vertical-aviation.com or call 407-322-9488.

Sales Demo Flight



Hover at 600'



WHAT CUSTOMERS ARE SAYING

Just to let you know that I have received the drawings and assembly manual and they are first class. - Dennis, Australia

Thank you for taking the time to show my family and me around your shop. I was very impressed with the detailed drawings for the builder as well as the operators manual.” - Michael, USA

Autorotations are great and the helicopter has less stick shake then Enstrom! - Slovenia Flight Test Pilot

Although this may come off as such, this post is by no means a promotional act. I am in no way affiliated with VAT or any of it's employees. I'm just a guy that's been trying to figure out what he's going to build. As a fixed and rotor wing pilot, safety is paramount. This is basically a certificated Sikorsky helicopter that is sold in kit form, allowing the builder to maintain his aircraft himself. I've researched every "kit" helicopter out there for the last 5 years, nothing else compares. - Flybull, MO

Just received my Christmas gift—engine was delivered today. Can't wait to install the engine. Raymond, Switzerland

Just to let you know that my Hummingbird is finally inside my hangar, safe and sound. No problem with delivery, paperwork, customs, and unloading. Many thanks for all your help, kind regards, Eduardo, Bolivia

Overall the assembly manual and drawings are amazing and I'm having a great time putting the puzzle together. Ed, CA

Received my crates and put them in the garage. Can't wait to get started building. Troy, NJ

Glad to inform you the kit has arrived. We have started the assembly process. Ganbat, Mongolia



Vertical Aviation Technologies, Inc.

1609 Hangar Road

Sanford, FL 32773

Located at the Orlando-Sanford International Airport

Phone: 407-322-9488

Email: sales@vertical-aviation.com

We're on the web!

www.vertical-aviation.com

CERTIFIED DESIGN AT A HOMEBUILT PRICE

Vertical Aviation Technologies, Inc., located in Sanford, Florida, is the manufacturer of the Hummingbird helicopter. The company was founded by Bradley G. Clark in 1987. We have sold over 350 helicopters worldwide from commercial helicopter operators to governments. We have an excellent reputation with the FAA and never had a fatality in any helicopter we have built or sold including the Hummingbird. Currently, Vertical Aviation Technologies, Inc. produces the Hummingbird S-52 series helicopters.

Follow us on:



Vertical Aviation Technologies: Making Aviation Great Again!