

Comeau Aerospace Inc.
Ultimate Flying Machine - Design Engineering Projects

CAI-50AE v/stol "50 Calibre"

CAI-50 Aero Express-V/STOL This design optimizes V/STOL technology (Vertical/Short Take Off & Landing) to an exhilarating altitude! Super caliber aerodynamic & aero-mechanical efficiency incorporating bold aircraft design elements with outstanding propulsion & flight control systems, advanced technology materials and the best "personal flying machine" features. Check it out for yourself!

- Flying squirrel design incorporating stealth & exceptional glide ratio.
- high compliance maneuvers and high speed directional stability.
- Super high strength and light weight for ultimate structural integrity.
- Innovative 4D thrust vectoring, inertial sensors and special flight control systems.
- Pilot & flight control systems for optimized thrust characteristics & propulsion efficiency.
- Massive thrust generated by a revolutionary V/STOL power propulsion design
- Efficient power transfer to four ducted variable pitch prop units.
- In-flight adj. co-axial ducted multi-blade composite super-props.
- Safe, precise and efficient aircraft handling in any terrain, weather or environment.
- Dual canopies for easy access and wide open view, variable electric tint.
- Executive command style to take-off and touch down anywhere!
- Retractable heavy duty landing gear.
- Manual and automatic takeoff & landing, custom handling and flight routines
- Impressive low speed flight, landing, takeoff and hovering qualities.
- High performance handling, speed and range.
- Aircraft recovery safety system (ballistic parachute recovery system).
- Optional All weather IFR & de-icing systems.
- Personal, Business, Search & Rescue, Special Operations...
- Optional: low signature, custom paint and more...

50 AE v/stol – mission specifications

- 600 mile range
- 3,400 fpm climb rate
- empty weight: 3,500 pounds
- useful load: 1,600 pounds
- Max speed: 250 kts
- length: X', wingspan: X'
- 4 passenger and luggage
- service ceiling 20,000'

Jetstream Vision

- *Pricetag*: est. \$1.5 million each
- *Market Vision*: initial 20+ aircraft; 10+ aircraft within 5 years Civil/Commercial: 50
- *Service & Maintenance Vision*: service life hours and maintenance to be determined
- *Initial Production Vision*: 10 aircraft to start program
- *Job Creation Vision*: 100 long term jobs, high value added
- *Investment & Acquisition Vision*:
- *Pilot Vision*: "Turns on a dime and gives you \$100 in change.

The ultimate flying machine adventure.