



GTX MAX Piper Seminole PA-44 / PA-28 Convertible



Introducing the Precision Flight Controls (AKA PFC) **Convertible Piper** simulator. The **GTX MAX Piper Seminole PA-44 and Piper Archer PA-28** Advanced Aviation Training Device (AATD).

We offer a conversion kit that allows the Archer simulator to be converted into a Seminole — and vice versa. This flexible design enables flight schools to support both single-engine and multi-engine training using one simulator platform, maximizing utilization and return on investment.

Key Benefits:

- FAA-Approved AATD – Maximizes loggable training time under Parts 61 and 141
- True Multi-and Single Engine Training – Accurate asymmetric thrust, Vmc demonstrations, and OEI procedures
- All-Metal Cockpit Structure – Commercial-grade durability
- Low Cost of Ownership – Minimal maintenance and high dispatch reliability
- Designed to evolve with avionics and training requirements
- Small Footprint

Flight Deck Realism

The PFC Seminole/Archer cockpits replicate the look, feel, and layout of the Piper Seminole/Archer, minimizing negative training transfer and maximizing student confidence.

Avionics & Systems

Avionics configurations include real or simulated G1000 software with replica PFD, MFD, and Audio panels. Systems modeling encompasses single- and dual-engine failure logic, full electrical, fuel, and environmental systems, and accurate engine-out flight model behavior.

Visual System

An integrated high-resolution visual system featuring multi-channel, wide field-of-view coverage up to 220 degrees, optimized for smooth performance and realistic visual cues. Worldwide visuals and navigational aids are included.

GTX MAX Piper Seminole PA-44 / PA-28 Convertible AATD

“Eliminating Negative Training Transfer”

Type Specific Seminole



Type Specific Archer



Motion Options



Optional 3-4 DOF
Motion Platform



Optional 6DOF Motion Platform
Shown with Extended Cab

Advantages of a Convertible Simulator

1. Maximized Utilization

A single simulator supports multiple courses and ratings:

- Private / Instrument (single engine)
- Commercial multi-engine
- Recurrent and proficiency training

Instead of sitting idle between programs, the simulator stays in constant use, increasing revenue per day.

2. Lower Capital Investment

Rather than purchasing two separate simulators:

- One convertible platform covers both aircraft types
- Lower upfront capital cost
- Reduced financing and depreciation exposure

This is especially attractive for growing or space-constrained schools.

3. Reduced Operating Costs

One device means:

- One maintenance schedule
- One set of spares
- One software platform
- One instructor training path

This significantly lowers ongoing operating and support costs.

4. Seamless Student Progression

Students can transition from single engine to multi-engine training in the *same cockpit environment*:

- Familiar seating and sight picture
- Consistent avionics and controls
- Less cockpit relearning

This reduces workload and improves training efficiency.

5. Efficient Use of Space

Many flight schools are limited by:

- Hangar or classroom space
- Electrical and networking infrastructure

A convertible simulator provides two training solutions in the footprint of one.

6. Curriculum Flexibility

Schools can quickly adapt to:

- Enrollment fluctuations
- Seasonal demand changes
- New course offerings

Switch configurations as needed to match daily scheduling demands.

7. Faster Return on Investment

Because the simulator supports more students, more ratings, and more billable hours, flight schools typically see:

- Higher hourly utilization
- Faster payback period
- Better long-term ROI

8. Future-Proof Training Platform

Convertible systems are inherently upgradeable:

- Avionics updates
- Aircraft model expansions
- Regulatory changes

Your investment remains relevant as training needs to evolve.

Bottom Line

A convertible simulator delivers more training capability, more flexibility, and more value from a single platform — without sacrificing realism or training quality.



Pricing Starting as Low as:

\$249,000.00



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“The simulator should never teach the wrong habits.”

“No negative training is better than cheap training.”

“If it doesn’t feel right, it isn’t right.”

Specifications subject to change.

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