



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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