



PRECISION
FLIGHT CONTROLS

MODULAR FLIGHT DECK

Introducing Precision Flight Controls (AKA PFC)

MODULAR FLIGHT DECK (AATD). For decades, Precision Flight Controls (PFC) has set the standard in professional flight simulation.

The **MODULAR FLIGHT DECK** is a high-fidelity, FAA-Approved Advanced Aviation Training Device engineered specifically for basic and advanced training, instrument proficiency, and crew coordination.



Key Benefits

FAA-Approved AATD – Maximizes loggable training time under Parts 61 and 141

- True Single and Multi- Engine Training – Accurate Flight Model Performance
- 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 **MODULAR FLIGHT DECK** cockpit delivers true general aviation realism—replicating the look, feel and layout pilots expect—building confidence and improving skill transfer from simulator to aircraft.

Avionics & Systems Available

Standard Nav/Comms, Bendix King Style Autopilot, ALT- Pre-Selector, Flight Director Advanced Avionics: options include G-1000, G600 Txi , GTN750Xi, GTN 650Xi, GFC 700 Autopilot. Garmin's GFC™ 600 Digital Autopilot, G430W, G530W software and replica panels with aircraft quality reliability and feel. We are an "Authorized Garmin Dealer."

All systems are available as high-fidelity software implementations or replica panels, delivering aircraft-quality reliability, tactile feel, and long-term durability, while minimizing negative training transfer.

Integrated High-Resolution Visual System

Integrated High-Resolution visual system, including multi-channel and wide field-of-view (200 degree) configuration optimized for smooth performance and realistic visual cues. World-Wide Visuals and Navigation Aids are included. The **MODULAR FLIGHT DECK** uses the X-Plane 12 Professional visual system, delivering advanced flight dynamics and improved atmospheric modeling.



Instructor Operator Station (IOS)

The integrated Instructor Operator Station (IOS) allows instructors to manage training sessions through aircraft repositioning, insertion of system failures, environmental and weather control, and real-time monitoring of aircraft state and pilot inputs.

Lower Total Cost of Ownership

While some simulators cost less upfront, PFC focuses on **long-term value**:

- Fewer repairs
- Longer service life
- Upgradeable platforms (avionics, visuals, software)

Over time, schools consistently see **lower costs per training hour**.

Real Support from Real Aviation Professionals

Precision Flight Controls does not outsource support to call centers.

You get:

- Knowledgeable technicians
- Direct access to engineers when needed
- Ongoing training and operational support



Two Hundred Degree High Resolution Visual System



Shown With Optional 3-4 DOF Motion

Robust Construction

All Aluminum/Steel Construction
All Electric Commercial Grade
3-4DOF Motion or 6DOF Motion



Shown With Optional 6DOF Motion Base

High Fidelity/Quality Interfaces



Type Specific
Master Starter Panels for
SEL, MEL, Turboprop and
JET Aircraft



Standard Avionics with Master Caution
System and Annunciator

Interchangeable Throttle Quadrants, 13 Types Available

Active Circuit Breaker Pane and Intercom Panels



Universal Panels

High Fidelity/Quality Interfaces



*Elevator, Rudder and Aileron Trim
Fuel Tank Selectors, Cowl Flaps
and Emergency Landing Gear
Extension*



*Center Flight Console
Supports SEL and MEL
Procedures*

*Type Specific
Interchangeable Master
Starter Panels for
Jet and Turboprop*



Avionics Solutions:

Standard Nav/Comms, Bendix King Style Autopilot, ALT- Pre-Selector, DME, ADF and Audio Panel and Flight Director. Advanced Avionics: options include G1000, G600 Txi , GTN750Xi, GTN 650Xi, GFC 700 Autopilot. Garmin's GFC™ 600 Digital Autopilot, G430W, G530W software and replica panels with aircraft quality reliability and feel. Now you can pick and choose your advanced avionics.

Interchangeable Avionics to Meet your Training Requirements



100% G1000 Software Accuracy

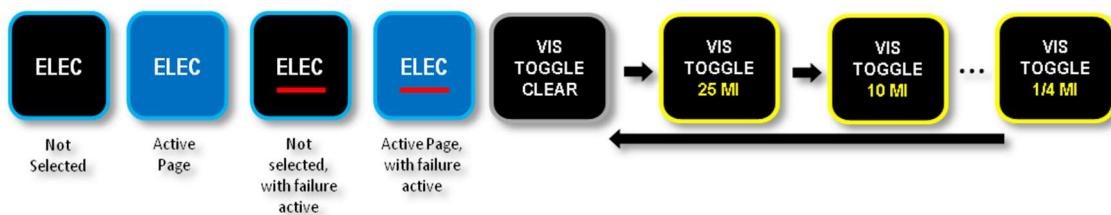
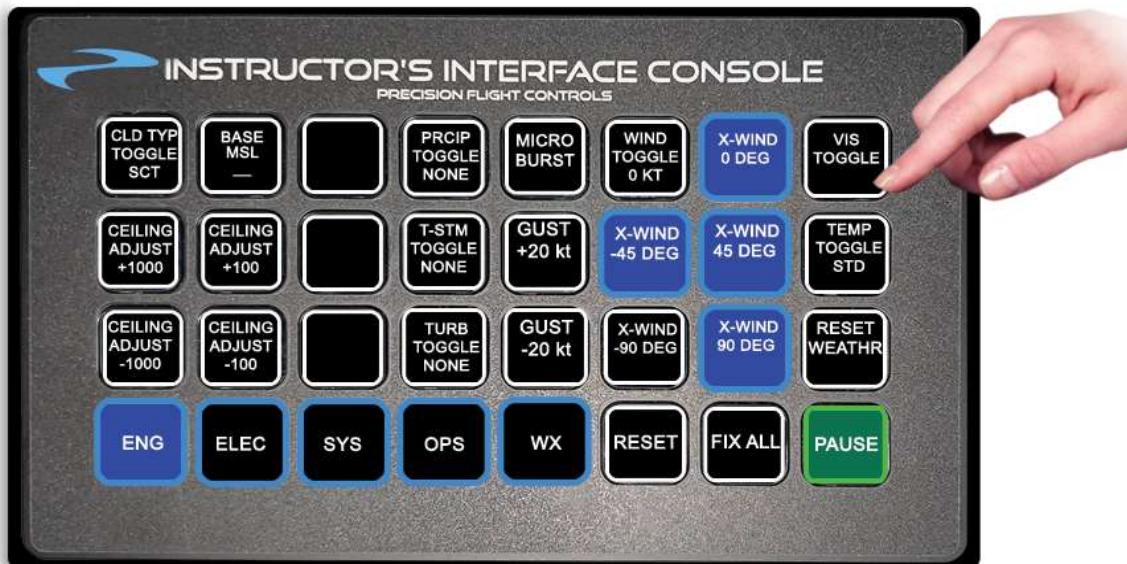
Garmin G1000 Avionics Retrofit



Examples of High-Resolution Analog Instrument Panels



Touch Based IOS Interface



The Instructor's Interface Console is plug and play with a simple USB connection.

You can immediately or pre-set a system failure(s), reposition the airplane, pause the simulation and make weather changes on the fly.

Each tactile button changes color depending on the situation, for example: If you choose to set an engine fire push the Engine Fire Button, (defaulted to green meaning there are no failures selected) once depressed, the button will turn Red indicating an Engine Fire has been initiated). You can reset the failure by pushing the button again.

Can be operated from Inside the Flightdeck or outside the Flightdeck at the Instructors Station.

Train Like You Fly. From Day One.

A complete training solution—from first solo to advanced proficiency.

Crafted with **precision engineering**, **real Garmin™ integration**, and a fully **FAA-compliant architecture**, our simulators deliver **uncompromising realism** and measurable **training value**.

Whether you are training a new pilot or refining advanced procedures, this is the platform professional's trust.

Built for Flight School Reality

Flight schools need equipment that works every day!

System Features:

- All-metal Cockpit Structure
- Commercial-grade Components
- High Dispatch Reliability
- Low Maintenance Requirements
- 3 Axis Control Loading
- OEM Garmin G1000 Software or Panels
- Optional 3-4 DOF or 6DOF Motion
- Many Options to fit your training requirements



Multiple Styles of “Accurate” Yokes Available

High Quality Switches for
Elevator Trim, A/P Disconnect, F/D and PTT

We have Yokes for Cessna, Beechcraft, Piper and Mooney Aircraft

Generic Flight Deck with a Multitude of Training Options

Over 20 Aircraft Flight Models Included
Custom Aircraft Available Upon Request

We understand flight school pressures because we collaborate with them.

You are not just buying a simulator, you are investing in reliability, credibility, and training outcomes!

Why purchase from Precision Flight Controls?

For over 30 years Precision Flight Controls helped flight schools train better pilots, reduce operating costs, increase utilization, and protect long-term investments.

Pricing Starting as Low as:

\$175,495.00



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www.flypfc.com

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