



King Air 300/RC-12x  
with Universal 890R  
Avionics Suite



Cirrus SR22 with  
functional CAPS handle

## MOTUS® Type Specific

### A Full Range of Type Specific Flight Simulation from F2Si

Complete with our 6-DoF, all-electric motion base and high resolution, wraparound external visual display, F2Si's versatile simulation platform can replicate almost any aircraft type, fixed wing or helicopter. From FAA AATD to FAA Level 6 and FNPT2, F2Si offers a specific solution for any training application.

F2Si customizes the design of each type specific flight simulation device to meet the training requirements of the customer. F2Si offers full cockpit replication, with as little or as much systems functionality needed to satisfy your training curriculum.

By providing only the functionality required by the customer, F2Si lowers the cost, making full motion simulation projects increasingly feasible. The type specific units can be sold as fixed base or with an affordable full motion option. In fact, it is so affordable that over 90% of our customers have chosen to include motion.

The six degrees-of-freedom all electric motion base offers exceptional acceleration in pitch, roll, yaw, heave, surge, and sway axes. The design of the motion base maximizes ease-of-maintenance and the base's patented interface ensures that the motion cueing accurately replicates the sensations experienced in real flight. Aviation insurance underwriters have advocated full motion flight simulation for years, and F2Si has made it affordable for any training application.



## MOTUS® is Full Motion Flight Simulation

- Stimulated or Simulated Avionics
- High resolution visual display
- Full cockpit & systems replication
- OEM Components



Stimulated Garmin G1000 Avionics  
with Synthetic Vision



High Fidelity using OEM components



UNS-1Fw Flight Management System with  
WAAS capability



## High Resolution, High Value

The flight simulation devices feature F2Si's multi-channel LCD Mosaic Wall external visual display, offering a higher standard of resolution and brightness than any projected display. The display works perfectly in concert with the motion base to provide total flight immersion in a compact footprint. Also included is a worldwide topographical, airport, and navaid database that can be edited to meet customer requirements. Updates can also be performed by the customer at a later date to match real life terrain and nav data updates.

## LCD Mosaic Wall™ External Visual Display

- Panoramic outside view
- Higher resolution & richer texture than any projected display
- Look-Back capability to view the leading edge and engines

F2Si's simulation devices provide an IFR training environment, permitting flight in an almost infinite variety of ceilings, visibilities, precipitation, turbulence and wind shear. With F2Si's 6 DoF motion base, turbulence and wind shear are not theoretical phenomena – pilots are task loaded in a manner not possible in fixed base training devices. Also included is a Disorient function, which enhances instrument training effectiveness by inducing crew spatial disorientation on command.

## Instructional System Development: The Key to Cost-effective Flight Simulation

F2Si is uniquely able to deliver cost-effective, top-flight training solutions because of its commitment to Instructional System Development (ISD). With ISD, a thorough training task analysis is undertaken at the start of a project to define the training objectives. Then, each aspect of the device is built to meet these objectives in the most cost-effective way possible.



BEECH KING AIR 200



QUEST KODIAK WITH  
GARMIN G1000 AVIONICS

Garmin photos  
courtesy of Garmin Ltd.  
or its subsidiaries.

## The MOTUS® Type Specific Flight Simulation Device

- One size does not fit all
- F2Si provides customized training solutions
- F2Si builds your specific needs into every simulation device

Contact F2Si to learn more about how the MOTUS® Type Specific simulation can transform your training operations.



## ABOUT US

F2Si is an established producer of simulation training devices. F2Si designs, builds, and delivers training simulation devices that meet the level of specificity required by our customers. F2Si focuses on the customer's needs to provide low cost, reconfigurable devices, or highly sophisticated aircraft, ballast control rooms, or other non-aviation industrial environment training solutions.



1815 Parkway View Drive  
Pittsburgh, PA 15205

Phone 412.321.3280

Fax 412.446.0061

[www.F2Si.net](http://www.F2Si.net)