

# GL-6000 Gryphon™

The **GL-6000 GRYPHON** is an advanced training and research device with multiple capabilities and applications. It is a flexible, multifunctional device with an advanced motion profile, supporting various clinical research efforts, as well as multiple operational training exercises for some of the world's most advanced aircraft.

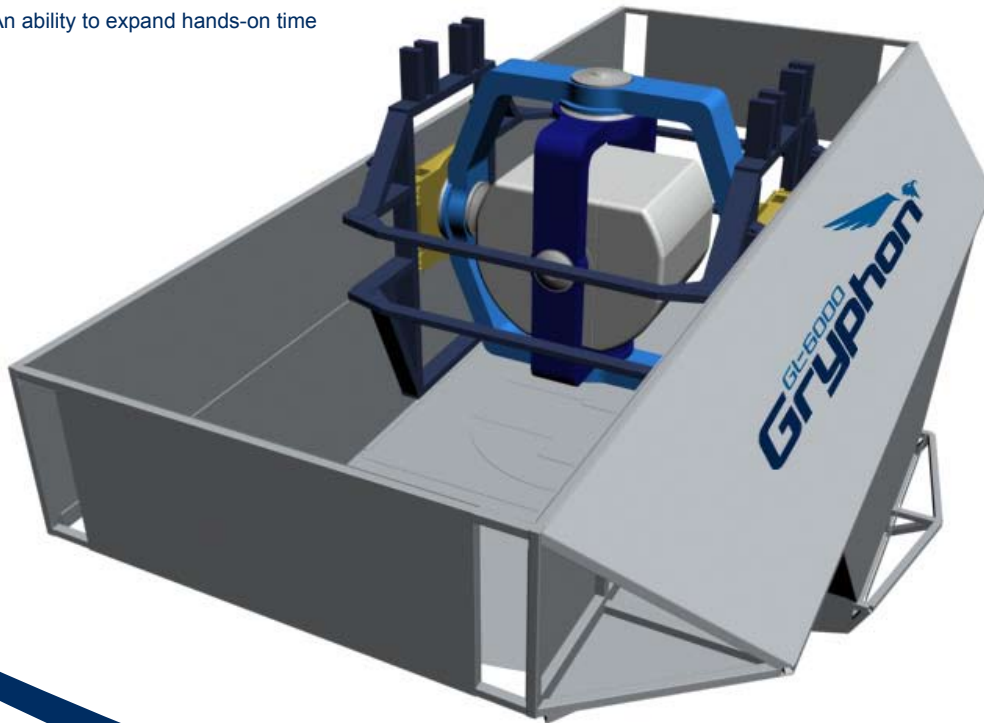
The Gryphon's motion system sets it apart from other systems currently available by offering six (6) independent degrees of motion. The GL-6000 generates linear and rotational acceleration forces as well as rotational cues supplying the most versatile flight environments.

Significant cost savings are realized when using the GL-6000 for training purposes by reducing the expenditure per flight hour, in comparison to the same activity occurring in an actual aircraft. An ability to expand hands-on time

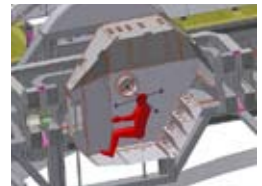
(engaged on range) is additionally enabled for greater practice efficiency.

The GL-6000 possesses unique flight training capabilities allowing aircrew to practice departing from controlled flight, edge of the envelope flight, and aircraft handling while simultaneously experiencing simulated combat damage.

For research applications, the GL-6000 offers a unit with unique capabilities to support a host of specialized research application, based on each user's specific desired test conditions. Modifications of the GL-6000 can be adjusted, within the general performance specification, to address specific Client objectives.



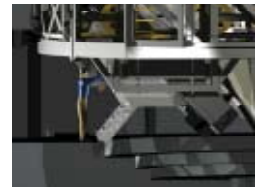
EXAMPLE CONTROL ROOM



HEAD LOCATION ON CENTER LINE OF PITCH & ROLL AXIS



GL-6000 SIMULATES THE FULL EFFECTS OF STOVL FLIGHT



FLOOR LEVEL EGRESS



AIRCREW TRAINING SYSTEMS

125 James Way, Southampton, PA 18966 USA

ph. 215.355.9100 • fax 215-357-4000

ATS@ETCUSA.COM [www.ETCAircrewTraining.com](http://www.ETCAircrewTraining.com)



#### APPLICATIONS

##### Research and Training

- Vertical Takeoff and Vertical Landing (VTOL)
- Short Takeoff and Landing (STOL)
- Short Takeoff and Vertical Landing (STOVL)
- Conversion to Forward Flight and Hover
- Hover (In Ground Effect (IGE) and Out of Ground Effect (OGE))
- Capable of conversion from aircraft flight to a hover
- Dynamic Mission Rehearsal capability for MV-22, CV-22, and F-35B
- Flight Phase Transition Training
- Dynamic G Tolerance

- Spatial Dis/Orientation
- Situational Awareness
- Motion Sickness
- Fatigue countermeasure Training
- Adaptation to Unusual Acceleration Environments

#### BASIC PERFORMANCE CHARACTERISTICS

- 53 Foot Arm Structure
- 6 Axes of motion (rotary, pitch, roll, yaw, vertical, heave)
- 360° continuous rotation in 4 axes (rotation, pitch, roll, yaw)
- $\pm 3$  feet vertical carriage
- Maximum G  $\pm 3$  Gx, Gz and Gy

#### ADVANTAGES

- Multipurpose device can be used for research and/or training applications
- Unique Flight Characteristics

#### ADDITIONAL EQUIPMENT FEATURES

- Single Seat
- Interchangeable Cockpits
- High Fidelity Cockpit Available
- Aircraft Specific
- Medical Monitoring
- Built In Test Feature
- CCTV

#### VISUAL DISPLAY SYSTEM

Various WFOV visual display system solutions available

[www.ETCAircrewTraining.com](http://www.ETCAircrewTraining.com)