

The Fakespace ImmersaDesk M1 Harnesses the Power of the Polhemus FASTRAK



Background

Fakespace Systems, Inc., an Iowa based company, offers a virtual modeling station, which utilizes Polhemus technology to allow eye-tracking to take place.

Product Description

The ImmersaDesk® is a versatile, fixed or portable virtual modeling station ideal for development and engineering review applications. Small enough to fit into an office, the self-contained M1 offers a large 44" high-resolution visualization screen. The desktop angle is adjustable to suit any work style or viewing preference. Optional head tracking facilitates the correct perspective of stereo imaging as you navigate naturally around the desk. These optional tracking systems also facilitate the use of various interaction devices such as the stylus (Polhemus), V-Wand™, and CubicMouse™. The folding design allows for easy room-to-room movement, storage or transport.

The M1 solution is ideal for a number of different applications including;

- Manufacturing
- Design
- Architecture
- Virtual Prototyping

How the Polhemus FASTRAK® Worked for Fakespace



In creating the ImmersaDesk M1, Fakespace faced several challenges and choices. In order to provide optional head tracking for its customers, FakeSpace needed to find a tracking system compatible with their product. Since acoustic tracking was too easily affected by occlusion and internal acoustic was too expensive, FakeSpace realized that the price and versatility of the Polhemus FASTRAK provided the best options in a motion tracking system for their product.

Why FASTRAK?

Fakespace went with the Polhemus FASTRAK system for a few reasons. First, many of the tracking systems available from other companies did not work with the active stereo shutter glasses. Additionally, most of the drivers offered were not readily available for other types of tracking systems. Although the FASTRAK system already held these advantages over its competitors, it was also less expensive. In conclusion, FakeSpace went with the greatest functionality at the best price.

