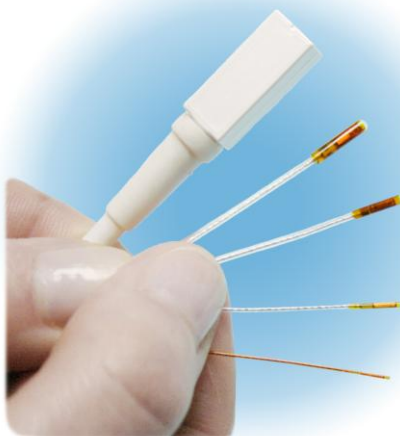


Ascension Introduces New Magnetic and Optical Tracking Devices at SIGGRAPH 2011

BURLINGTON, VERMONT, USA; August 1, 2011: Ascension Technology Corporation will show its two newest 3D trackers, trakSTAR 2 and trakBAR at SIGGRAPH (www.siggraph.org/s2011) – the 38th Annual Computer Graphics and Interactive Techniques Conference to be held in Vancouver, Canada, August 9-11, 2011.

The two trackers meet growing global demand in interactive visualization, medical, simulation, and industrial markets for fast, unobtrusive 3D tracking of persons, tools, and objects. trakSTAR employs pulsed DC magnetic tracking technology; trakBAR uses passive IR cameras technology with advanced signal processing techniques. Recent breakthrough developments in these technologies support 3D tracking solutions across a wide range of interactive applications.

trakSTAR



trakSTAR is the fastest magnetic tracker in the world. It simultaneously tracks the motions of each of its miniaturized sensors from 240 to 420 times per second. Use it to dynamically capture the motions of people, objects, and instruments for real-time visualization and interactive purposes.

trakSTAR tracks the world's smallest five and six degrees-of-freedom sensors. It is popularly used for tracking human extremities, small objects, and medical instruments -- including the tips of biopsy needles. Miniaturized sensors range in size from 8 mm to 0.55 mm in diameter.

trakSTAR's third generation magnetic tracking technology takes advantage of the latest advances in passive sensors design and digital signal processing to deliver fast, quiet 3D tracking. Measurements are unaffected by the presence of nearby non-magnetic metals -- a critical real-world consideration for robust and reliable data output.

Importantly trakSTAR's transmitters generate magnetic fields - similar in strength to the earth's magnetic fields. While strong enough to track even a sub millimeter sensor's position and orientation free space, they pose no health risk to people.

trakBAR's disposable markers can be mounted on any bodies, objects or instruments for real-time five and six degrees-of-freedom tracking, navigation and measurement. The markers reflect IR energy from the system's cameras. The result is a passive IR-based camera tracker that is inherently fast, flexible and scalable.

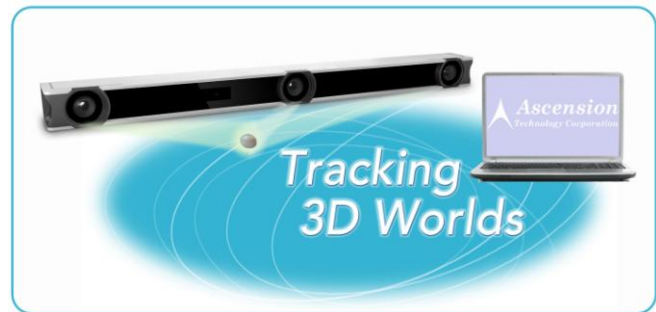
trakBAR offers a larger tracking volume and a higher update rate than competitive optical tracking systems. Over 40 markers can be tracked simultaneously at 100 measurements per second. Because markers are wireless, there is no interconnect cabling or clutter in the workspace. A six-camera configuration (housed on two bars) offers significant redundancy to overcome line-of-sight errors; only two cameras must see markers to compute a solution.

Ascension trackers will be on display at SIGGRAPH 2011 in booth 481. For more information about Ascension's exhibit or to arrange a meeting at the show, contact Joanna Harrington, jharrington@ascension-tech.com

About Ascension

Ascension Technology Corporation is a professional 3D tracking company specializing in navigation and guidance devices for medical, industrial and commercial markets. Its business model is designed to develop, customize and support unique new tracking solutions for its worldwide customer base. For more information, visit: www.ascension-tech.com.

trakBAR



Ascension's newest optical tracker, trakBAR, precisely tracks miniaturized wireless markers for medical, commercial and industrial markets. Measurements are referenced to one or more portable IR camera bars, as shown above, designed for easy mounting in any tracked environment.