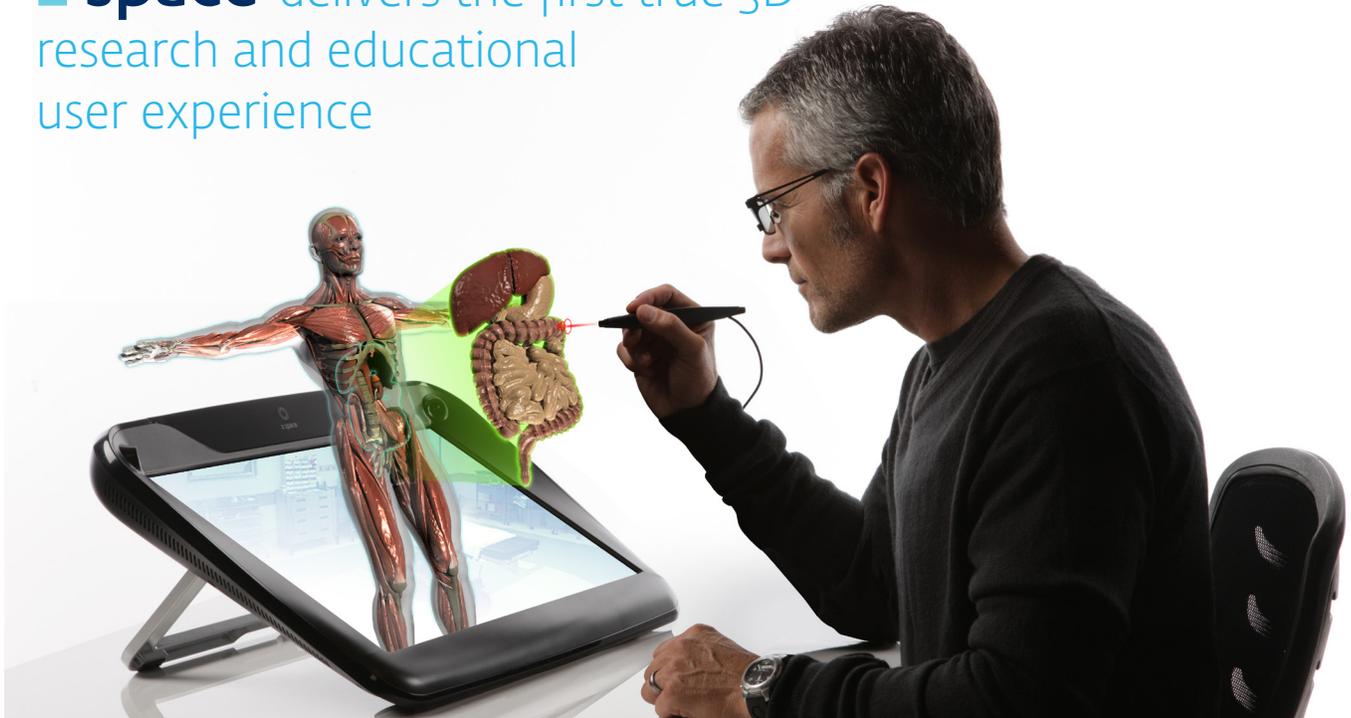# z space® delivers the first true 3D research and educational user experience

In zSpace, learning and research come together

in a highly realistic virtually-holographic 3D environment where users gain new insight, explore ideas, and develop critical thinking.

A unique 3D research and learning environment where complex ideas are presented with extreme clarity, zSpace truly revolutionizes the research and education process. Faculty and their graduate students can research and explain abstract concepts through 3D visualization, increasing students' attention to the subject matter and enabling better understanding through direct interaction with virtual objects in open space

Whether a university department or a large laboratory, every research organization could benefit from a data visualization and design solution that will help analyze data in a way not previously possible in a traditional 2D environment. Access increasing volumes of data and let zSpace communicate your results with next generation 3D technology that match your needs and budget, where and when it matters most. The zSpace hardware and software platform provides a highly realistic visualization experience that can support your research mission needs from end to end, throughout the lifecycle of the research.
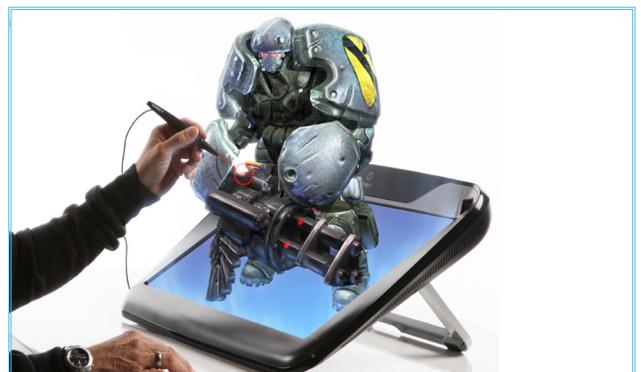
- Understand and explore molecular interactions - seeing the results happen before you.
- Complex chemical reaction processes are visually understood.
- Research 3D interfaces and user experiences.
- Difficult lessons are mastered like never before.

Selected Universities

- Miami University of Ohio
- Olin College
- Fresno State

infinite z

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Founded in 2006, Silicon Valley based Infinite Z's expertise and innovative thinking have gone into creating their flagship solution, zSpace, which enables virtual–holographic 3D imagery to bring scientific data and designs to life. Using a stereoscopic display, trackable eyewear, a direct interaction stylus, and an innovative software platform, objects in zSpace appear "solid" in open space, with full color and high resolution, and can directly be manipulated as if they were real objects. This capability gives researchers a natural way to navigate, grab, slice, carve, zoom and explore data in 3D as never before possible.

Utilizing core building blocks for research environments, visualization, and collaboration, zSpace helps you teach and advance the way people solve problems, learn, and communicate in today's world.

Finding the Right Solution for your Needs

The deployment of 3D technology to support your research mission is vital to your organization. 2D displays weren't built to handle the real-life richness inherent in 3D applications – just as black-and-white displays did not come close to the natural look of color. Current display technology limits the full visual and interactive potential of research and educational applications.

Infinite Z's immersive zSpace experience enables students to interact with 3D applications just as naturally and intuitively as they would with real physical objects. The zSpace collaborative environment allows multiple users to locally and/or remotely view, modify, and communicate data and information through 3D models – all in real time – using an internet or network connection.

zSpace has the potential to dramatically improve research and learning results while saving time and money and enabling you to represent your ideas more effectively and realistically than possible with today's 2D displays.

Features and Benefits

- Stunningly realistic visual environment with full color and high resolution
- Virtually-holographic images appear "solid" in open space as if they are real physical objects
- Intuitive user interface requiring no advanced training
- Direct and natural interaction enabling users to navigate, manipulate and explore models as never before possible
- Total viewing comfort

Product Specifications

- zStation monitor, 24 inch HD LCD (1080p 120Hz) with tracking sensors
- Direct interaction stylus with 3-buttons and integrated infrared LED and accelerometer design
- Polarized passive eyewear with trackable markers
- SDK for application developers

About Infinite Z

Infinite Z, Inc. is a digital design technology provider that enables natural interaction with virtual-holographic 3D imagery to bring designs to life. The company's mission is to transform human interactions with today's computing environment into an incredibly lifelike, interactive and immersive experience. Infinite Z is a privately held, venture backed company located in Mountain View, CA, and has filed more than 30 patents for its innovative technologies.

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