TOUCH
TOMORROW
TODAY

haptikos

®

HAPTIKOS.TECH

A NEW DIMENSION OF INTERACTION

At Haptikos, we are driven by the belief that technology should adapt to people, not the other way around. We design experiences that feel natural and intuitive, where touch isn't just simulated—it's genuinely experienced. Through our designed technology, we integrate the sense of touch into digital environments, making the digital world a meaningful extension of our physical reality."

We started as a multidisciplinary team united by a single question: How can we make the digital world feel as lifelike and natural as the physical one? This vision drove us to explore ways to make digital interaction meaningful and intuitive, where touch isn't just simulated—it's genuinely experienced.

To achieve this, we went through countless trade-offs, balancing systems in software, hardware, and human-centered design. Each step refined our understanding of how to bring the sense of touch into the digital space
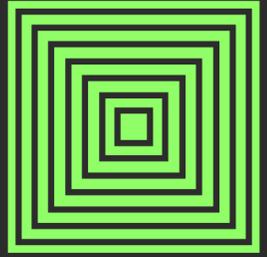
REDEFINING INTERACTION

Haptikos embodies the right blend of sophisticated software and hardware, designed to bring realism and intuitive ease to every touch.

Together, these features make Haptikos not just a product, but a gateway to new realms of digital interaction—where the boundaries between the physical and the virtual dissolve, allowing industries from healthcare to robotics to innovate like never before.
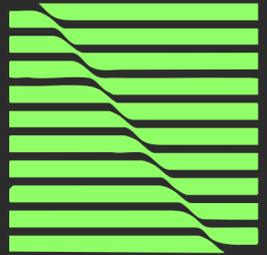
MASTERY IN MOTION

Our Haptikos exoskeletons offer an extraordinary 24 Degrees of Freedom per hand, ensuring that every motion from the subtlest gestures to the most complex actions is captured with submillimeter accuracy. This unmatched precision puts you in complete control, making every interaction feel fluid and natural.
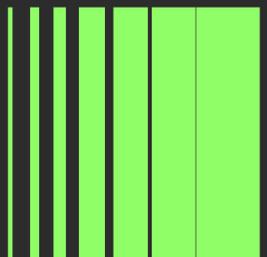
FEEL EVERY TEXTURE

Experience textures and surfaces with realism. Haptikos provides rapid tactile feedback that replicates the physical touch of materials, from the smoothness of silk to the roughness of sandstone, enhancing your sensory connection to digital worlds.

EASE OF USE

Designed with the user in mind, Haptikos is effortless to wear and operate. A simple one-pose calibration gets you started in seconds, and with our lightweight, wireless design, you can enjoy freedom and comfort without the hassle of constant recalibration or cumbersome wires.

MASTERY IN DESIGN

SUBMILLIMETER
MOTION ACCURACY

ONE-POSE
CALIBRATION

EXTENDED
BATTERY LIFE

Engineered with precision at the forefront, Haptikos exoskeletons incorporate state-of-the-art technology to offer the best control and accuracy in every experience.

Submillimeter Motion Accuracy
Achieve precise control with 24 Degrees of Freedom per hand, enabling submillimeter accuracy in capturing every motion and gesture.

Advanced Tactile Feedback
Experience detailed textures and surfaces with rapid feedback technology, transforming how you interact with digital environments.

One-pose calibration
Quickly and easily set up with a single calibration pose. Save your settings to streamline your experience, eliminating the need to recalibrate each time you use the gloves.

Lightweight and Wireless
Enjoy the freedom of movement with a lightweight, wireless design, enhancing usability without tethering you to hardware.

Extended Battery Life
Operate for up to 8 hours on a single charge, supporting long sessions of uninterrupted use in various applications.

THE BEHIND CODE HAPTIKOS

Unlock the full potential of Haptikos with haptik_OS. This platform equips creators with precision hand tracking, tactile feedback, and gesture control, allowing for the development of interactive and realistic digital environments experiences.

Haptik_OS App: Your Gateway to Innovation

Begin your journey with the haptik_OS App, your central hub for connecting Haptikos gloves and seamlessly integrating their capabilities into your projects. motions, and redirect this data into Unity SDK with unparalleled ease.

Haptik_OS Unity SDK: Crafting Custom Experiences

The haptik_OS Unity SDK transcends traditional boundaries by not merely offering tracking and haptic tools, but by serving as a comprehensive foundation for crafting bespoke interactive experiences. This SDK is the cornerstone for the community aiming to redefine digital interaction, providing the essential elements needed to construct every aspect of user engagement with ease and exceptional outcomes. It delivers the 'main recipes'—a suite of fundamental components and tools—which developers can decode and adapt to fit the unique demands of their applications. This approach empowers creators to not only meet but exceed the expectations of their project's interaction design, ensuring each experience is as innovative as it is effective.

DISRUPTION AT

01/
Immersive training

02/
Robotics control

03/
Motion capture

Haptikos brings realism to virtual training simulations, enabling trainees to interact with their environment as if they were in a real-world scenario. Whether in aerospace, healthcare, or emergency response, lifelike touch feedback improves learning outcomes and ensures that trainees are better prepared for real-life situations.

Gain precise control over robotic systems with Haptikos, allowing for seamless manipulation of remote machinery. The high level of accuracy and tactile feedback ensures operators can perform delicate tasks remotely, with the sensation of touch providing added confidence in complex environments.

Capture every nuance of hand and finger movement with sub-millimeter accuracy, perfect for animation, film, and 3D design. Haptikos allows creators to bring virtual characters and designs to life with natural, fluid gestures, reducing post-production time and cost.

PRECISION TO

ENGINEERED MASTER

Refresh Rate
330 Hz: Ensures ultra-smooth motion tracking for seamless interactions.

Hand Tracking
1/20° Accuracy per Joint Angular Motion: Delivers precision in fingers' joint movements.

Haptics
5 Vibrator Motor Sensors, 1 Per Finger, 205 Hz: Provides tactile feedback, enhancing the realism of touch sensations in each finger.

Network
Wireless, 2.4GHz: Offers robust and reliable connectivity, ensuring freedom of movement without compromise.

Connectivity
One USB Dongle In-Box: Simplifies the setup process, providing plug-and-play connectivity.

Battery
Approximately 8 Hours: Long-lasting battery life supports extended use sessions, minimizing interruptions.

Weight
171 Grams: Lightweight design contributes to comfort and reduces fatigue during prolonged use.

Dimensions
20 x 13 x 8 cm: Compact and ergonomic, designed to fit a wide range of hand sizes comfortably.

GET IN TOUCH