

HUMANS IN MOTION

Humanetics is a technology organization with a mission to protect people, put them in control, and empower them to engineer extraordinary solutions in critical environments with remarkable precision.

WE ARE  HUMANETICS

THANK YOU FOR YOUR INTEREST IN HUMANETICS.

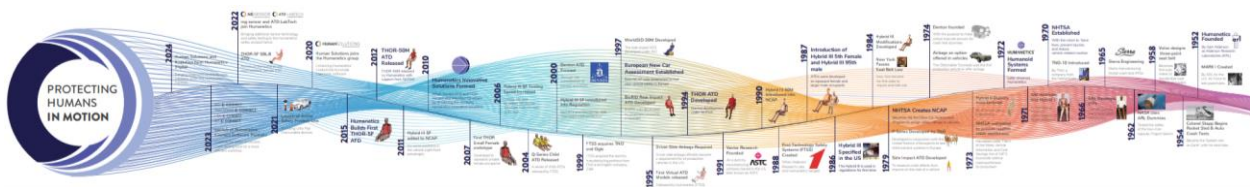
ABOUT US

Humanetics is a high-tech global industrial technology group. We engineer extraordinary safety, digital, and sensor solutions for critical environments to put humans at the heart of industrial design.

We are the pioneers of crash test dummies and a leading provider of virtual simulation software, integrated crash test systems, precision sensors, specialized fiber optics, and laser-based material engineering.

Our highly specialized solutions are used in the development of every car on the road today, space missions, aerospace and defense projects, guidance systems, operating theatres, biomedical devices, haptic surgery, energy generation, semi-conductor chip manufacturing, and many applications at the cutting edge of human innovation. Our sensor and measurement capabilities create data from critical environments and deliver precision tools to enable customers to answer critical questions and empower decisions that drive performance.


When we innovate, humans thrive.



HUMANETICS TIMELINE | 1952-2024

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OUR LOCATIONS

We are headquartered in Metro Detroit with representation in all regions of the globe.

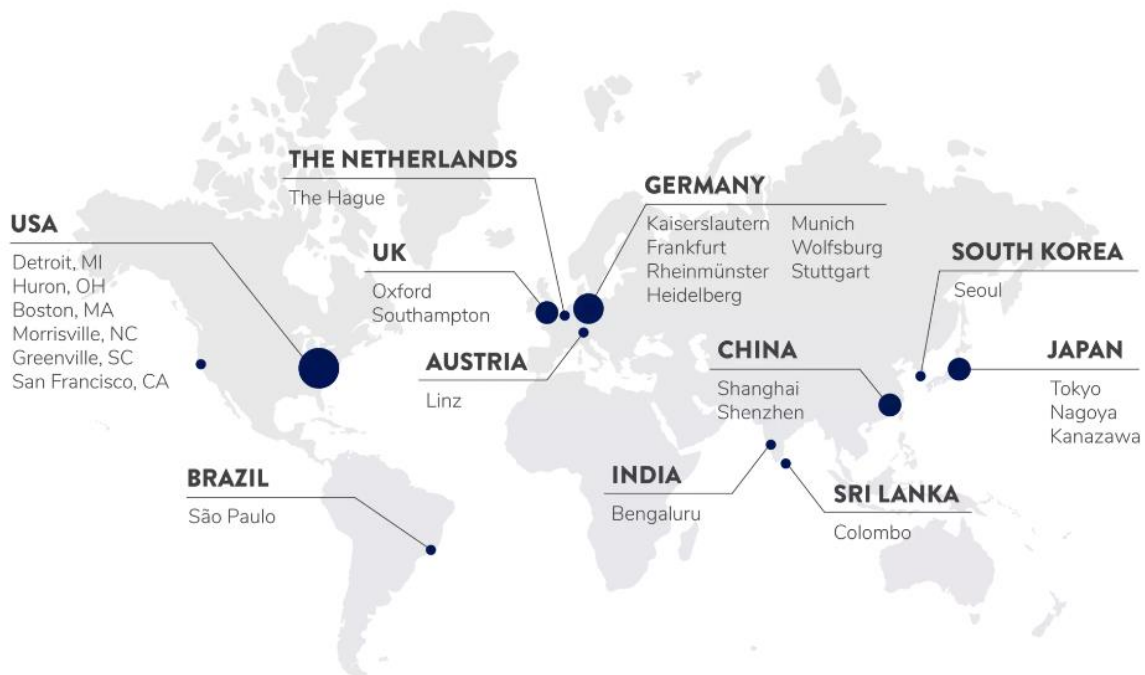
1000+ employees | **27** locations worldwide | **10** manufacturing facilities

12 sales & customer, design & service Centers | **9** Centers of Excellence

350,000+ sf total manufacturing space


Humanetics Corporate Office, Technical Center, & Instrumentation Manufacturing

23300 Haggerty Road | Farmington Hills, MI 48335 | United States of America



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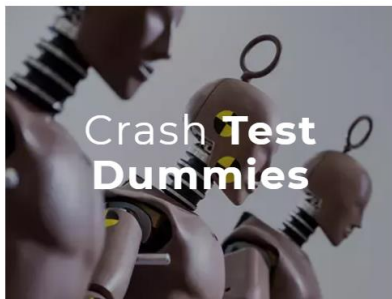
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Our company is structured into three groups: Safety, Digital and Sensors.

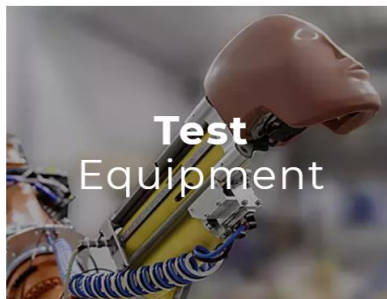
Humanetics has been the most trusted partner in vehicle safety solutions for over 70 years. In the last decade we've extended our solutions to include the world's leading human simulation platforms, engineered sensors and precision engineering. Putting human well-being at the center of industrial design is our guiding principle.

HUMANETICS SAFETY is comprised of ATDs, active safety robotic platforms, test equipment, and ATD lab management



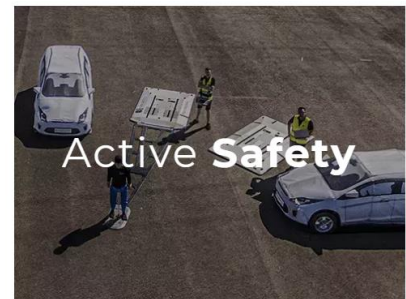
Crash Test Dummies

Our range of crash test dummy models represent male, female and child anatomies. They are used by automotive manufacturers, safety and interiors suppliers, child car seat manufacturers, and regulators in every region of the world.



Test Equipment

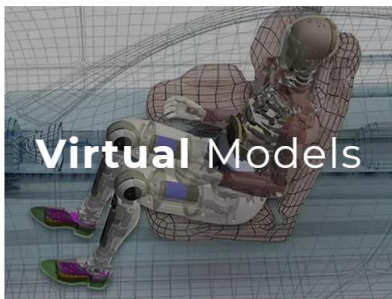
We offer a complete portfolio of test fixtures for a crash test laboratory to certify our entire set of ATDs, including tools that enable full body testing as well as all necessary component-level testing.



Active Safety

Our robotic safety testing equipment, software tools and test facilities are critical to evaluate and improve the accident-avoidance capabilities of advanced driver-assistance systems and autonomous vehicles.

HUMANETICS DIGITAL encompasses CAE, ergonomic software, anthropometric 3D body model databases. We have an incredible set of digital technologies that make Humanetics the world's leading provider of human-based avatars, data models and simulation software. These digital body models complement our anthropomorphic test devices and robotic platforms.



Virtual Models

Our developers have created a portfolio of virtual models for all our crash test dummies that enable engineers to run unlimited iterations of real-world crash tests in virtual simulations.



Digital Ergonomics

Our RAMSIS Software combines real 3D populations with precise ergonomic functionality




Body Scanning Body Data

iSize offers globally unique body dimension data from representative measurement surveys. Paired with our hardware and software helps create solutions for a range of challenges.

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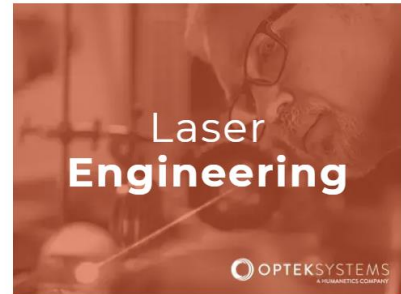
HUMANETICS SENSORS, combines the capabilities of HITEC, Fibercore and OpTek into an advanced Sensor Technology group. Much of our extraordinary innovation comes from our sensor technology group. A sensor is the interface between the digital and physical world, needed to control, optimize and engineer solutions. The next generation of safety technology, beyond simulation, will be driven by fiber optics, laser engineering and sensor technology.



Unrivaled innovation for load cells, torque sensors and custom strain gauge-based sensors for medical, aerospace and many other industries.



The global leader in specialty optical fiber solutions that enable precise sensing and control in the world's most demanding and harsh environments.



World leading laser micromachining and optical-fiber processing tools and services meeting precision manufacturing challenges worldwide.

OUR LEADERSHIP TEAM



Chris O'Connor
President and Chief Executive Officer

Chris is the global leader of the Humanetics Group and is one of the industry's recognized experts on vehicle and occupant safety. He is a retired Colonel in the US Army Reserves and a board member of several fast growth engineering businesses. He can often be found calculating velocity and wind speeds on the golf course, or tuning the torque on one of his engines.



Amit Singh
Chief Financial Officer

Amit is the Chief Financial Officer (CFO) of the Humanetics Group responsible for our investments and financial performance. Amit has extensive experience leading financial teams and operational processes at Ford and FLIR Systems, as well as managing a diverse portfolio of companies at the Piston Group. He is committed to mentoring young people aspiring to become engineers and business leaders. He also enjoys a round of golf when he can find time.




Sandy Coleman
Chief Technology Officer (CTO) Software Center of Excellence

Sandy leads our team of cloud computing and big data experts to advance the use of technology and software best practices in the areas of Passive and Active Safety, Simulation (CAE), Ergonomics, and in our Sensors division. Sandy has 30 years of software development and technology leadership experience from organizations like Siemens, Global Stratecom, and Exxon Mobil. Sandy is not only a technology expert, but also a very people-focused leader who knows how to build strong team relationships that connect on deeper interpersonal levels.

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LEADERSHIP [continued]



Karsten Newbury

President, Humanetics Digital

Karsten Newbury is President of Humanetics Digital, responsible for leading our software and digital solutions portfolio and working across the group to innovate with advanced data, software development, and AIOT-based Industry 4.0 systems. He brings significant experience in industrial B2B technology at Siemens and Gerber Technology, building and leading software and process automation businesses serving the industrial, automotive and fashion sectors. Karsten is a passionate skier and lives with his wife, two kids and their golden retriever.



Barney Loehnis

President, Humanetics Sensors & Chief Marketing Officer

Barney leads the Humanetics Sensor group and marketing growth programs, strategic communications, and customer experience design. He has led marketing and digital transformations in Europe, Asia and the USA in B2B, B2C and agency sectors, for clients like IBM, VW, Huawei, Qualcomm and Mercer Consulting. Barney is a British and American citizen, a bad runner and avid cook.



Mark Westen

President, Humanetics Safety

Mark leads our Safety group globally. He has deep experience working across Europe, India and China leading product and engineering management in the industrial, automotive, consumer and energy industries. When he's not with his wife and two kids, he likes to explore the countryside in his passion for motorbiking.

Note: images are linked to their LinkedIn accounts

OUR SOCIAL CHANNELS



Please follow us!

OUR MEDIA CONTACTS

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