

FLEXSTRUCTURES ITALIA S.R.L.



> Mechanical Subcontracting

Design and Simulation

> Electronic Subcontracting

Design and Certification

> Other key sectors

Aerospace, Automotive & Transportation, Textile

> More about FLEXSTRUCTURES ITALIA S.R.L.

flexstructures develops and distributes IPS Tools, a software products suite addressed to design of flexible components (IPS Cable), human digital modeling for process and ergonomic optimization (IPS IMMA), robot process optimization (IPS Robotics) to simulate complex flow and surface treatment processes (IPS Virtual Paint Sealing and Spray), to perform and optimize combined processes such as robot dress-pack and collaborative robot set-up. IPS provides capabilities throughout the process, from Concept and Design through Assembly and Production planning until the After-Sales. The world's leading manufacturing companies use IPS for tasks ranging from flexible components design, assembly feasibility, robot optimization.

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<p>The Company</p> <p>flexstructures is specialized in developing and distributing innovative high-tech technology, developed in cooperation with Fraunhofer research. The company has extensive world-wide distribution rights for the software portfolio.</p> <p>The company collaborates to coordinate research projects in the field of human digital modeling and robot optimization for industrial applications (IPMA in German) in Germany, Switzerland, Austria, France, Italy, Spain, and with various industrial partners.</p> <p>Contact</p> <p>flexstructures GmbH</p> <p>Fraunhofer Straße 113 85061 Kraibitz Germany</p> <p>Phone: +49 935 580 20 300 info@flexstructures.de www.flexstructures.com</p>	<p>What is IPS Cable Simulation?</p> <p>Creating technology workbooks for the simulation of flexible parts such as wiring, hoses, and tubes.</p> <p>A fast modeling method, physically correct material properties and geometry.</p> <p>Fast time simulation on a standard computer.</p> <p>A powerful tool for manufacturing companies to optimize industrial processes.</p> <p>Who uses IPS Cable Simulation?</p> <p>Aerospace, ship, and train suppliers.</p> <p>Automotive industry.</p> <p>Medical technology, mechanical engineering companies, etc.</p> <p>The software is integrated into product processes of leading automotive manufacturers such as Audi, BMW, Daimler, Ford, Volkswagen, etc.</p>	<p>Engineering Projects</p> <p>Identifying causes for damaged wires and hoses and efficient troubleshooting is extremely difficult.</p> <p>We provide engineering services, diagnostics, troubleshooting and design solutions for existing functional reliability and product quality using IPS Cable Simulation.</p> <p>Training and Workshops</p> <p>We offer basic training for beginners and expert training for experienced users. In corporate workshops, we support users working with IPS Cable Simulation in their specific domain.</p> <p>Measurements of Material Properties</p> <p>Process simulation results are based on appropriate material properties. We carry out measurements for determining material parameters of wiring, wiring harnesses and hoses.</p>	<p>IPS Cable Simulation</p> <p>Design Optimization, Virtual Assembly and Digital Mock-up of Wires, Wiring Harnesses and Hoses</p>

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Spoken Languages English, French, Spanish

