

Discover new worlds with fischertechnik

A playful grasp of future technology

fischertechnik GmbH

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In times of climate change and digital transformation, parents increasingly value sustainable toys of educational value. fischertechnik is a traditional brand that has manufactured its products in Germany from the start. The products encourage the playful discovery of future technologies through contemporary topics such as programming, renewable energies and smart factories.

The fischertechnik construction kits comprise a wide range of products, starting with the large, easy-to-use parts in the JUNIOR product line for three-year-olds to more complex construction kits that can be used to build and programme robots. Building models with a fuel cell or a solar module illustrates how renewable energy works. The ROBOTICS product range provides a simple introduction to the world of programming and smart homes.

One building block – many uses!

The construction kits are popular among children around the globe, as well as in classrooms and educational facilities. Lots of schools use fischertechnik in their project groups to implement projects or hold competitions. The organisers particularly appreciate the opportunity provided by fischertechnik to playfully delve into STEM subjects (science, technology, engineering, and mathematics).

Factory simulations for Industry 4.0 applications

Ready-made factory models with cloud connections illustrate and simulate Industry 4.0 processes at universities and industrial companies. IT firms such as IBM and SAP have connected their software using the fischertechnik interface to test it as a simulation before using it in a factory. Several companies and universities are illustrating various smart factory processes using a digital twin created with the fischertechnik Training Factory.

fischertechnik at school

The products of the fischertechnik Education range were specially developed for primary and secondary school lessons. The comprehensive accompanying material has been tailored to the curriculum of the respective federal state and contains a detailed introduction to the subject. Multiple exercises with their corresponding suggested solutions complete the sets. This provides a good introduction for teachers who may not be familiar with a topic. The range of products includes comprehensive project work construction kits on topics such as renewable energy or programming. fischertechnik also offers classroom sets with simple models that can be built in groups of two.

fischertechnik is sustainable

Unlike many other toy manufacturers in the industry, fischertechnik develops and manufactures its products in Germany, which avoids long transport routes. Instead, this results in more flexibility, allowing products to even be delivered shortly before Christmas. fischertechnik invests in the quality of its products and high-grade accompanying materials. The building blocks have been combinable with one another since their market launch in 1965 and are praised by fans for their particularly high durability. Even constructions towering at a

height of several metres remain solid thanks to the famous fischertechnik building blocks.

Sustainability is also an important aspect of the fischerTiP creative material that was launched in 1998. The bright fischerTiPs are made of potato starch and food colouring, making them completely safe to use. The corresponding tools used to make fantastic figures and models by dampening them with water are made of resource-efficient bioplastics.

fischertechnik was presented with an award for “sustainable commitment” by Focus Money in 2019 for its commitment to sustainability. The fischer Group of Companies, which fischertechnik is part of, won the German Sustainability Award in that same year. It is Europe’s biggest and most important award in the field of sustainability.

The fischer Group of Companies

The fischer Group of Companies, headquartered in Waldachtal in Germany's northern Black Forest, generated sales of 872 million euro in 2020 with a worldwide staff of 5,200 employees. The family-owned company operates 50 subsidiaries in 38 countries and exports to more than 120 countries. It includes the five divisions: fischer fixing systems, fischer Automotive, fischertechnik, fischer Consulting and LNT Automation

fischer fixing systems is the technological market leader in key areas of fixing technology. fischer offers products that deliver technical perfection to a wide range of customers, from do-it-yourselfers to tradespeople to key account partners.

fischer Automotive manufactures high-quality parts for vehicle interiors. The company is highly competent in the plastics processing segment and is an important partner for the automotive industry. Its range of products includes air vents, cup holders, trays and multi-function components.

With its construction kits, fischertechnik is active in both the toymaking and the educational sector. fischertechnik is one of the last remaining toy makers to exclusively develop and produce in Germany.

fischer Consulting evolved from the competence developed in the company itself, which includes the fischer ProcessSystem with its central aim of permanent improvement for the ultimate benefit of the customer. fischer Consulting advises small and medium-sized businesses, government agencies and major companies on their path towards lean and efficient processes.

fischer Electronic Solutions develops and manufactures electronic solutions including product and system developments based on the latest technology as well as custom production orders processed in the company's own production facilities. As an experienced provider of development and production services for custom systems such as multi-touch solutions made of glass and the corresponding controller units, fischer Electronic Solutions forms the perfect link between the customer and the final product.

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