

# High-tech Magnet Technology for Key Industries

High-performance magnets from Arnold Magnetic Technologies for use in pioneering technologies such as electromobility and aviation.



Arnold Magnetic Technologies AG, a Swiss company steeped in tradition, can look back on over 129 years of success. With a clear focus on the development and production of magnets for high-tech industries such as aerospace, defense and medical technology, the company is a leading player today. In this interview, Managing Director Thomas Toth explains the most important milestones, the significance of the company's global presence and the strategic priorities for the future.

**Wirtschaftsforum:** Mr. Toth, Arnold Magnetic Technologies has a long company history. What were the most significant milestones along this path?

**Thomas Toth:** Arnold Magnetic Technologies was founded 129 years ago by a Swiss emigrant in the USA. In 1980, we started production in Switzerland. Despite several ownership

changes, we remained true to our core competence: the production of magnets. In the 1990s, we developed samarium cobalt magnets through a joint

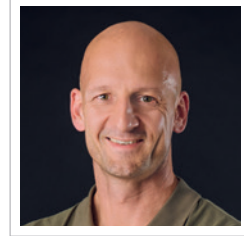
venture in China and gained access to rare earth elements. The integration into the Arnold Group in 2007 brought us the advantages of a corporation without losing our independence. Since then, we have developed the high-performance 33E and 35E magnets, which are unique in the world market. Our global presence, with locations in the USA, UK, Switzerland, and China, allows us to operate flexibly worldwide.

Samarium-Cobalt Magnets: Precision and Reliability for High-Tech Applications



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## Interview with



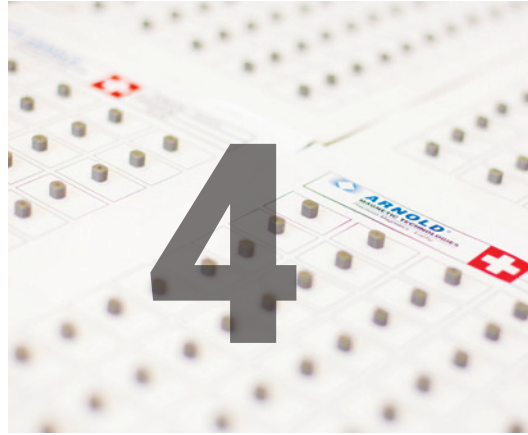
*Thomas Toth,  
Managing Director  
of Arnold Magnetic  
Technologies AG*

**Wirtschaftsforum:** How is your product and service portfolio structured, and what significance does digitalization have for your company?

**Thomas Toth:** In addition to the production of permanent magnets, especially samarium cobalt magnets, we offer a wide range of engineering solutions, including complete electric motors and precise metal foils. We also manufacture magnetic systems, produce prototypes of electric motors, and offer electromagnetic simulations as a service. Thanks to our corporate structure, we can offer flexible electromagnets and electric motors. Our portfolio includes both standard solutions and customized products, which we develop in close collaboration with our customers. Digitalization is a central part of our strategy. We have digitized many administrative processes, including the measurement of mechanical and magnetic values as well as the remote maintenance of our machines. With predictive maintenance, we monitor the condition of our machines to prevent failures and increase efficiency. These



Complex geometries in the manufacturing of samarium-cobalt magnets – setting new standards in magnet technology



The powerful RECOMA® magnets are essential for use in aviation, aerospace, and other key industries.



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measures improve our production processes and ensure the high quality of our products. Our digital structures connect our locations worldwide and ensure consistently high quality.

**Wirtschaftsforum:** In which industries and markets is the company active, and how do you shape your international presence?

**Thomas Toth:** We are active in many booming industries such as aviation, defense, semiconductors, lithography, and space. Medical technology is becoming a growing business field. Geographically, we are well-established in Europe, the USA, the UK, and China, with a particular focus on Germany, France, and Switzerland. Thanks to our global presence, we can flexibly address supply chain issues and meet the needs of our customers worldwide. With an annual turnover of 20 million CHF and fewer than 100 employees, we are also agile in smaller projects.

**Wirtschaftsforum:** How do you shape your corporate culture and what makes you an attractive employer?

**Thomas Toth:** Our corporate culture is based on trust and teamwork. We value the development of our employees and offer them the opportunity to participate in exciting high-tech projects. The last three years have been challenging in the job market, but thanks to our strong team and numerous recommendations, we have been able to continue growing. Our employees appreciate the development opportunities and our modern work environment, which has made us an attractive employer with a good reputation.

**Wirtschaftsforum:** How important are sustainability and innovation for Arnold Magnetic Technologies?

**Thomas Toth:** Sustainability is a central issue, especially given the increasing demands in Europe. Our customers require

energy-efficient solutions and material reductions. We have reduced energy consumption through modernized air conditioning and lighting. Our technology increases efficiency, and we are researching new, more powerful materials. Our AS9100D and ISO9001:2015 certifications, as well as the NADCAP™ accreditation for heat treatment, underscore our high-quality standards.

**Wirtschaftsforum:** What are your visions for the future of the company?

**Thomas Toth:** We want to expand our capacities in magnet production and system construction. For 2024, we expect new machines that will enable us to undertake larger projects. Our goal is to become the preferred partner for our customers and establish

ourselves as a world-class magnet company. We operate with a lean culture to continuously optimize our processes.