



ultra-quiet high-speed motors



Who we are

Electromag SA, headquartered in Ecublens, Switzerland, is a leading expert in the development and manufacturing of brushless DC motors for demanding applications up to 300 W. One of the hallmark features of Electromag motors is their quietness and low vibration level for speeds up to 100,000 rpm. Renowned for their reliability, Electromag motors offer highest efficiency, in particular thanks to a patented winding technology.

Since 2021, Electromag SA is part of Mabuchi Motor Group. Mabuchi Motor with about 21,000 employees worldwide and listed on the Tokyo Stock Exchange has a strong presence in the automotive products as well as the consumer and industrial markets.

Key figures:

- Company founded in 2003
- More than 3 million motors sold
- Over 200 configurations developed
- ISO9001 and ISO13485 certified



"We are proud to have among our partners the global leaders of the healthcare and manufacturing industry who rely on our cutting-edge solutions to help them be at the forefront."

Vincent Comte
CEO and founder of Electromag SA

Applications

Ventilation

- Home care (CPAP, BiPAP)
- Critical care
- Transport & Emergency
- Neonatal
- Anesthesia
- Therapy



Dentistry

- Implantology & dental surgery
- Endodontics
- Restauration & prosthetics
- Laboratory
- CAD/CAM



Medical hand tools

- Orthopedic power tools
- Podiatry



What we offer



OEM solutions

- Tailor made solutions based on existing product platforms as well as new product development.
- Optimized design to deliver maximal power density within a given envelope and working range.
- Customized electrical and mechanical interfaces.



From design to series production

- Seamless service from concept, through development and into series production.
- Final assembly and inspection controlled and operated in Switzerland on leading-edge automated production lines.



Responsiveness

- Solutions for design engineers to reduce development cycles and time-to-market.
- Effective processes, simulation and rapid prototyping tools.
- Responsive network of qualified partners.



Research and innovation

- Design and development of unique innovative solutions.
- Investments in research projects in cooperation with leading Swiss universities.

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Mabuchi Motor Electromag SA

Chemin du Dévent 7
Z.I. Larges Pièces A
1024 Ecublens
Switzerland
+41 (0)21 694 16 00
info@electromag.ch
www.electromag.ch

