

MACHmotors GmbH

is a young and innovative company specialized in electric motor manufacture, based near to Nuremberg in Southern Germany.

We are specialized in the manufacture of prototypes and small production quantities – motors of all dimensions and power ratings.

We also provide sub-contracting services for motor parts, which for reasons of quantity, stator geometry and size, wire size, fill-factor etc. are not suited to automated production techniques.

We are actively involved in research programs involving new manufacturing techniques for motor applications, requiring high-efficiency and high-power density – for e-mobility, both drive- and fly-by-wire.

Our team will accompany you during all stages of your program, from the idea to the completed motor.

We look forward to your inquiry and the realization of your ideas.

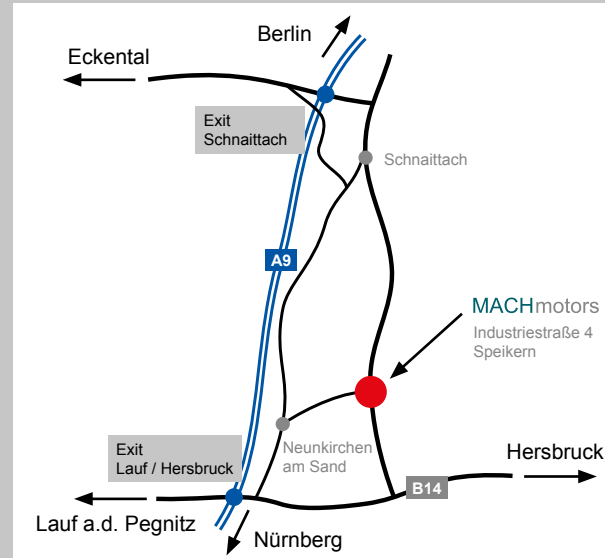


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www.machmotors.de



How to find us



Contact

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MACHmotors

Your manufacturing partner

From ideas to ready motors

**Prototyping
Manufacturing of Electric Motors**



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Consulting & Engineering

We support you with our manufacturing know-how and consulting services – for example verification of the feasibility of a winding scheme or design optimization for optimum volume manufacture. In addition, together with our experienced engineering partners, we can both supply electro-magnetic and mechanical design services and generate full manufacturing and test documentation.

Manufacturing

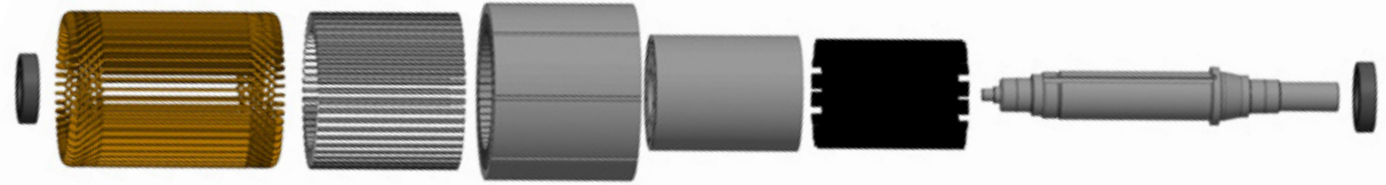
Our well-trained and experienced employees craft motors in a wide range of sizes and quantities – from prototypes to small and medium production runs. Our motors can be both rotating and linear and of any electric motor technology (BLDC, PSM, SR, SyR etc.). We are also your partner for sub-system manufacture, e.g. stator windings, magnet and rotor assemblies, vacuum potting and mechanical assembly.

Procurement

We hold a large stock of standard materials, mostly Class H: copper wire, insulation, sensors and cables. Supported by first class suppliers we order lamination stacks, magnets and mechanical parts to the exact requirements of your motor design. For prototypes we can produce mechanical parts very quickly – using 3D-additive production techniques.

Technical Equipment

Our manufacturing facility in Neunkirchen offers a modern and ergonomic work environment and a clearly structured workflow. There are separate areas for assembling and testing, including an electrostatic discharge protected area. A crane, special tools and machines as well as extensive test and measurement equipment are available.



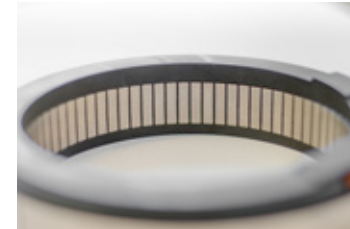
Soldering standards

Impregnation / potting



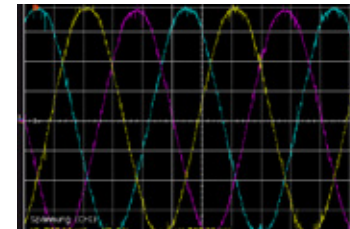
Zertifikat nach ESA
ECSS-Q-ST-70-08

Zertifikat nach IPC
WHMA-A-620 / A-610



Stator windings with high fill-factor

Measurement and test



Manufacturing of small and miniature parts

Assembling, commissioning and test

