



TECHNOLOGY DESCRIPTION

phySPACE™ stepper motors are cost-efficient, clean and reliable even within extreme environments. The phySPACE™ series is developed and built to resist vacuum, vibrations, low/high temperature and radiation while maintaining high performance, precise positioning and long life.

The structure design of the phySPACE™ motors presents an optimum of lightweight, stiffness and surface protection. As is commonly done in high-vacuum applications, all structural elements such as housing, flanges and shafts are made of stainless steel. Even the standard version in stainless steel is optimised in terms of weight.



INNOVATIVE ASPECTS

- highly accurate, reliable and durable
- optimum of lightweight, stiffness and surface protection
- housing, flanges and shafts are made of stainless steel with option for a „lightweight“-material like titanium
- equipped with special ABEC 7 bearing
- integrated thermocouple to monitor the exact winding temperature and protect against overheating



TECHNOLOGY READINESS (in space application)

TRL 9 (2024)

COUNTRY OF ORIGIN

Germany

LATEST UPDATE

06/2024

TAGS #stepper motor #lightweight #stainless steel #radiation-resist. #accurate #overheat. prot.

APPLICATION AREAS

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| Aviation | Energy | Construction & Civil Engineering | Chemical Engineering & Biotechnology | Health | Mechanical Engineering | Space technologies |
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