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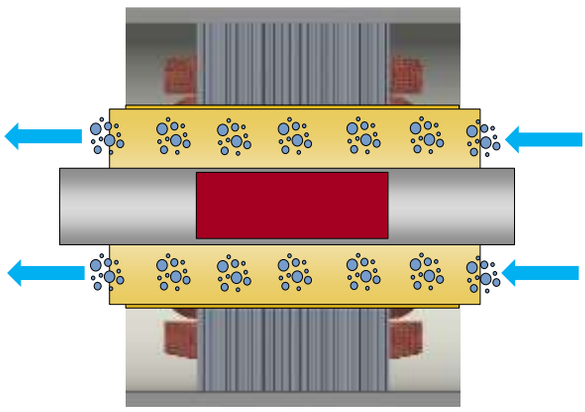
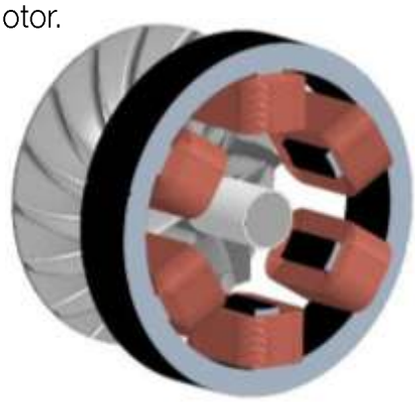
Media Gap Motor Technology

Fields of Application



Cross-section Media Gap Motor (MGM): If necessary, the media to be transported can be directed through the exceptionally large gap between the rotor and stator – through the motor.



Design principle: The rotor armature with a solid 2-pole magnet can be positioned behind or in front of the impeller, depending on requirements, bearing constraints, and design limitations.

Your Advantages

- Low rotor weight: Minimal inertia for rapid acceleration
- Minimal magnetic losses: Consistently high continuous power
- High MSM efficiency: Ideal for oil-free, aerodynamic bearings
- Low torque ripple & UMP: Optimized rotor dynamics
- Efficient overall system: Minimal bearing losses, zero maintenance and longer service life

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Technology – Brief Profile

Media Gap Motor (MGM) - Technology

- Ideal for high-speed applications (with aerodynamic, oil-free bearings)
- Reduces thermal load on the drive / no rotor cooling required
- Simple design
- Easily scalable and integrable
- High overall efficiency

Our Offer For You

- Joint project for the design, evaluation, and, if useful, integration of the Media Gap Motor technology for your specific / existing application
- General optimization or adaptation of existing systems
- Development of entirely new applications (including support through to series production)

G+L innotec GmbH

Engineering- & Industrialization Service Provider / Think Tank

- Founded in 2009
- Spin-off from an automotive supplier
- Highly experienced with series production
- Patent holder for the Media Gap Motor Technology
- Technology supplier for applications in the automotive, off-highway, aerospace, and stationary sectors

G+L innotec GmbH
Lindenmaierstr. 24
D-88471 Laupheim
www.gl-innotec.com

Your Contact:
Christoph Klunker
Business Development
c.klunker@gl-innotec.com
+49 7392 97799-25

Globally Patented Technology