

ERD

Hygienic Stainless Steel Linear Actuators

Reduce cleaning times without compromising on performance and space. Kollmorgen combines a stainless-steel AKMH motor with a linear actuator into a hygienic linear drive that is ready-for-installation: ideal for applications such as lifting units, dosing units or format adjustments in the packaging, food processing, and pharmaceutical industries. Extremely compact linear actuators can be supplied as in-line or reverse units in various motor/spindle combinations.

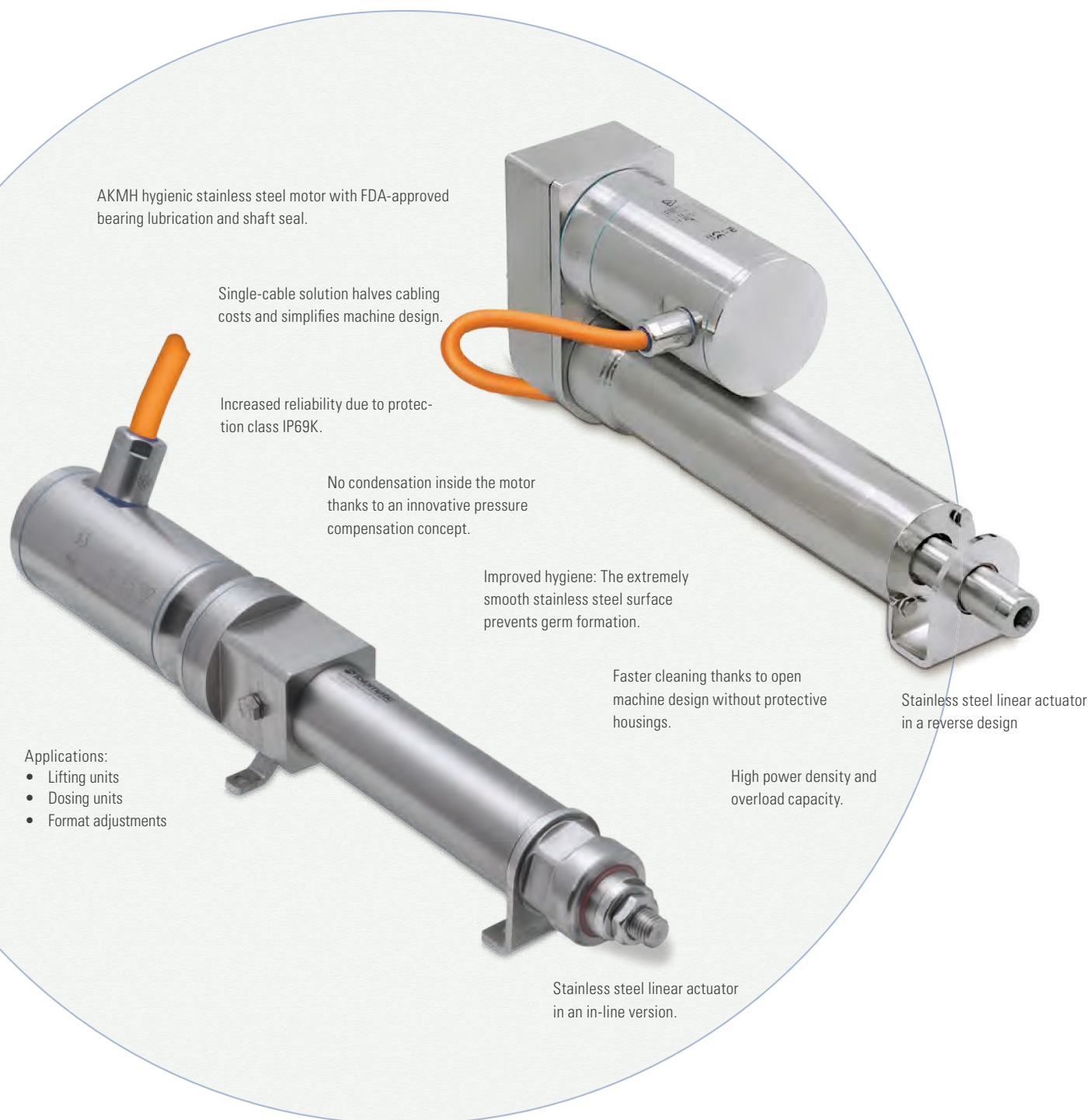
The Advantages of ERD Stainless Steel Linear Actuators

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| <ul style="list-style-type: none"> • Substantially improved Overall Equipment Effectiveness (OEE) | <ul style="list-style-type: none"> • Fast cleaning thanks to open machine design without protective housings • High degree of reliability with regular high-pressure and high-temperature cleaning • Higher throughput thanks to quick and precise motion control with AKD • Process monitoring and optimization with Kollmorgen's software tools • 20% less derating due to special motor design |
| <ul style="list-style-type: none"> • High degree of product safety with significantly reduced risk of recalls | <ul style="list-style-type: none"> • Complies with USDA, 3A, NSF hygiene regulations • Hygienic housing design with 1.4404 stainless steel for safe cleaning • Single-cable technology with FDA-approved, sheathing suitable for use with food (optional) |
| <ul style="list-style-type: none"> • Simple machine design and quick start-up | <ul style="list-style-type: none"> • Plug-and-play connection with pre-assembled, connectable cables • Robust version in IP69K with high power density and overload capacity • Control with the AKD, AKD-PDMM, and AKD-N servo drives • Extensive software tools for parameterization and drive monitoring • Simple drive design with the Kollmorgen Automation Suite |

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Simply More Freedom in Hygienic Machine Design

Four frame sizes with variable feeds up to 600 mm, central or decentralized connection technology, encoder and brake options, as well as seamless integration in all Kollmorgen automation solutions – A wide range of options for building perfectly adapted hygienic linear drives. With Kollmorgen, the machines become even simpler. With the IP69K version you can achieve an open machine construction without protective housings, and with single-cable technology cabling costs are halved. Simple and more freedom!

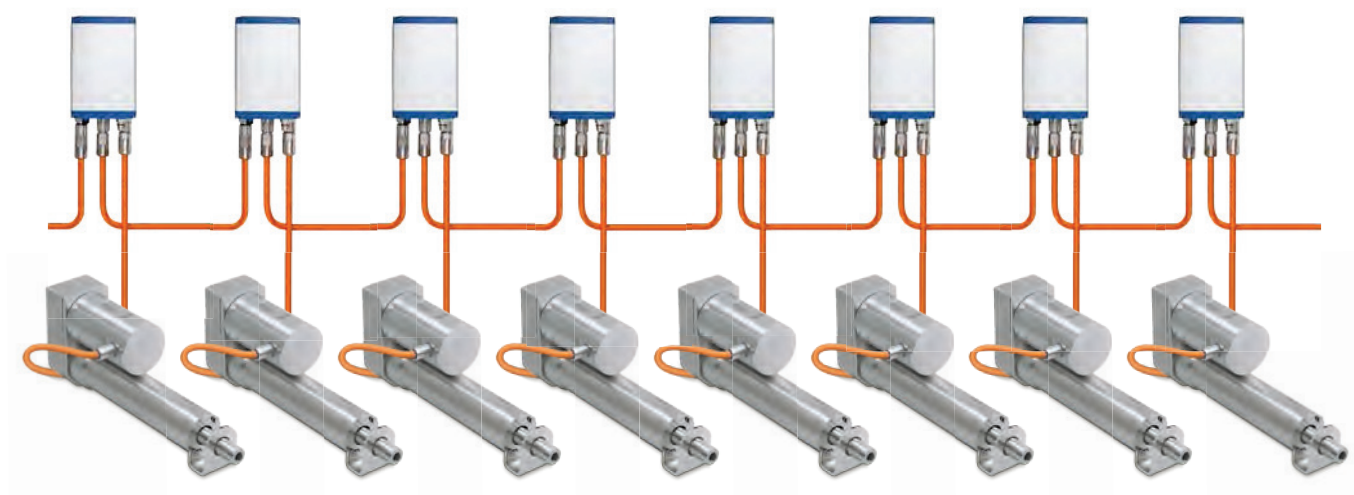


Highest Product Safety and Overall Equipment Effectiveness

- Hygienic housing design prevents germ formation and contamination traps
- Quick and simple cleaning thanks to open machine design without protective housings
- High degree of reliability even with frequent high-pressure and high-temperature cleaning thanks to stainless steel housing in IP69K
- Single-cable connection halves cabling costs and improves hygiene
- High degree of product safety in accordance with USDA, 3A, and NSF requirements ensured

Performance Data

Stainless steel linear actuator		AKMH2/ERD15	AKMH3/EDR20	AKMH4/ERD25	AKMH5/ERD30
Protection class / hygiene standards		IP69k / USDA, 3A, NSF			
Connection technology / servo drive		Single-cable technology / AKD (central) or AKD-N (decentralized)			
Encoder options		Digital resolver SFD3, Hiperface DSL			
Motor diameter	mm	74.0	85.0	113.0	132.0
Actuator diameter	mm	42	52	89	89
Feed (max)	mm	600	600	600	600
Feed speed (max)	mm/s	1016	495	1448	813
Feed force	kN	0.89	2.224	14.679	20.017



Model Nomenclature

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