

Clean Solution: Washdown Food Gearmotors

- ▶ **Significantly reduced cleaning time thanks to the hygienic design with water-repellent surface**
- ▶ **Significant savings in energy costs thanks to the highly efficient motor/gearhead combination**
- ▶ **Scalable single-cable solution with Digital Resolver SFD or Hiperface®-DSL**

Kollmorgen is offering new solutions for the packaging industry based on the successful Washdown Food version of the AKM servo motors. Two basic models of servo gearmotors cover most transport and turning applications in these industries. The FDA-tested coating, the very smooth surface, and the steel connectors comply with the strict hygiene requirements.



Advantages of the Solution

- Hygienic design prevents germ formation and dirt pockets
- High level of cleanliness maintenance thanks to the smooth surface
- Developed for continuous cleaning with common cleaning agents with pH values between 2 and 12
- Single-cable technology offers quicker and easier cleaning
- PTFE rotary shaft seal, gear oil, and FDA approved coating
- Lower energy costs thanks to the high efficiency of servo motor and gears
- Simplified machine design thanks to non-enclosed assembly
- Flexible solution with various gear ratios and feedback options

Application Criteria

Strict hygiene requirements in the packaging industry. Resistance to cleaning agents with pH values between 2 and 12.

Surface

The rounded design of the gearmotor and the smooth surface prevent germ formation and make cleaning easier. The coating material of the AKM Washdown Food Gearmotor fulfils the requirements of the FDA (Food and Drug Administration). Dirt and biofilms are clearly visible on the white surface. The hydrophobic, coated surface makes it easier for liquid to run off so that no residue can build up on the surface.

Connections for Power and Feedback

The gearmotors are especially easy to clean with the Digital Resolver SFD or multi-turn Hiperface® DSL encoder in the single connector version.

Performance Data

		AKM62K-BK17
Rated output torque	Nm	115 ... 330
Durable acceleration torque	Nm	250 ... 400
Output speed	rpm	1 ... 350
Available gear ratios		10, 20, 40
Feedback options, single connector version		Digital Resolver SFD, multi-turn Hiperface® DSL
Recommended servo amplifier		AKD-P01207

