



Product



Application

BK Series Geared Motors

Pizza Packaging Line Conveyors

Highlights

- BK Series helical bevel geared motors
- Hardened wear sleeve and spray ring ensure leak-free performance
- Complies with NA and International standards, including NEMA, IEC, CSA and CE
- Low-noise gearing
- IP65 Enclosure (Standard), IP66 (Optional)
- Corrosion protection COR01, COR02, COR03
- Connection Standard with CAGE CLAMP®
- Completely enclosed, sealed against dust and moisture

One of the world's largest food and beverage companies needed an efficient, reliable drive for a pizza packaging line in one of its plants in Italy. The drives power shrink wrapping machine infeed conveyors. The facility had been using traditional stainless steel motors rated at 70-80 Hz. However, to boost production, the speed was increased to 80-90 Hz which created excessive heat causing the drives to fail.

After a careful analysis of the conveyor application demands, Bauer engineers recommended a BK Series right angle bevel geared motor for improved efficiency compared to worm gear solutions. The Model BK06 supplied features a PMSM (permanent magnet synchronous motor) that reduces heat losses from the rotor by 100% and total losses by approximately 25%, while increasing total efficiency by 10% or more. This improved performance translates into lower total cost of ownership, a reduction in CO₂ emissions, and ongoing savings that buffer against future increases in energy costs.

Because PMSM motors provide efficiency at a wide range of speeds, it allowed the conveyor line speed to be adjusted up to 80 RPM when needed to meet production schedule targets.

Compact Bauer BK Series models are completely enclosed and sealed against dust and moisture. A hardened wear sleeve and spray ring ensure leak-free performance.

Europe
+49 711 3518-0
bauergears.com

US
1-732-469-8770

For a complete list of our
global sales offices visit:
altramotion.com/contactus