



HIGHLIGHTS

- BM and BG Series geared motors used to power the systems
- BM Series geared motors feature low backlash couplings for high positioning accuracy
- BM models are fitted with an encoder for exact motor speed control
- BG Series geared motors set the standard for reliability
- All units feature low noise gearing

Application Success Story



BM & BG Series Geared Motors Cold Storage Monorail Systems

PROBLEM

AFT (Automatisierungs- und Fördertechnik GmbH & Co. KG), located in Schopfheim, Germany, designs and builds intelligent transport and conveyor systems for a wide variety of industries.

AFT needed geared motors for monorail systems used by a food discount house in its distribution centers. Various food (frozen pizza) producers deliver their goods to these centers from which they are distributed to various target markets. The centers are cold storage facilities with temperatures ranging between 0°C and +3°C. However, in the actual cold storage areas the temperature is -26°C. The application required special food-compatible lubricants which have to stand up to these temperatures.

The project consisted of outfitting two different plants. The combined monorail length within these two facilities is about 4.5 Km. The systems include 98 vehicles (load carriers), 78 switches and four vertical conveyors (lifters). Refrigerated pizzas move 90 m/ min. through the facilities.

SOLUTION

Bauer BM and BG Series geared motors were supplied to move and position the conveyor vehicles, switches and lifters precisely (to the nearest millimeter).

BM Series geared motors, designed for overhead conveyor drives, feature a low-backlash coupling for high positioning accuracy and are fitted with an encoder for exact motor speed control. Units incorporate low noise gearing and are completely enclosed and sealed against dust. Economical BG Series geared motors set the standard for reliability while providing total mounting flexibility for easy integration.

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