



Product

BM Series Geared Motors

Application

Auto Assembly Monorail Drive

Highlights

- BM09 geared motors
- Torque rating up to 108 Nm
- Permissible radial loading up to 6,500 N
- Completely enclosed, sealed against dust and water spray
- Low noise gearing
- Optional encoder feedback available

A major industrial conveyor OEM needed reliable geared motors for a new final assembly line monorail conveyor system at a large auto plant in Kentucky. The new line expansion, operating three shifts per day, will significantly increase the plant's overall production capacity.

The overhead feeder conveyor system delivers JIT door panels, seats, instrument panels, and other color-keyed components directly to the assembly line. The speed of the various conveyors within the system are timed so that all sequenced components arrive at their proper assembly stations for immediate installation into the slow-moving line of mated auto bodies.

The geared motor drives are critical to the plant's operation since a single feeder conveyor stoppage would require the shutdown of the entire assembly line. A full line shutdown, that costs thousands of dollars every minute, can quickly impact the facility's overall profitability.

Based on previous successful collaboration, the OEM contacted Bauer for a reliable solution. Bauer Model BM09 geared motors featuring tried and tested technology with several thousand units in the field were ultimately selected for this challenging application. The BM Series is designed specifically for use on overhead monorail conveyors. The completely enclosed units are built to provide leak-free, long-lasting, reliable service.

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