



Product

BK Series Geared Motors

Application

Aluminum Anodizing Baths

Highlights

- BK Series right-angle, 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
- IP65 Enclosure (Standard), IP66 (Optional)
- Completely enclosed, sealed against dust and moisture
- Corrosion protection COR01, COR02, COR03

A global producer of primary aluminum needed efficient replacement drives for the anodizing lines at one of its U.S. facilities. The drives raise and lower suspended aluminum pieces into acid electrolyte bath tanks during the anodizing process. Based on demanding production rates, the competitor geared motors typically reach the end of their useful life after one year of service and are replaced since rebuilds would be too costly.

The problem was that the existing competitor drives became obsolete and were discontinued. The original drive OEM provided a replacement in-line model, but it wouldn't fit in the limited space available. A new drive solution was needed because the current in-line drives were too long, causing the motor to hang unsupported, outside of the machine's protective drive enclosure.

After a careful analysis of the application requirements, Bauer Gear Motor, together with a distribution partner, began supplying BK Series right angle, bevel geared motors. The compact right-angle BK models provided more torque at the same HP rating within a smaller overall footprint. A special modified mounting bracket allowed the new right angle BK30 units to easily position, completely within the existing space available.

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

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