

TOUGH JOBS

A **GROSCHOPP**® CASE STUDY

+ Distribution Center Conveyor

Distribution centers are a demanding environment for electric motors. Often times, the conveyor belts are running 24 hours a day, only stopping for maintenance. In addition, the conveyor belt systems Groschopp worked with varied from nearly no load to carrying parcels weighing several hundred pounds.

Groschopp built a standard AC motor with a right angle worm reducer for this customer because it could be mounted flush against the system rather than jutting out and causing a potential hazard. AC right angle gearmotors can easily support various torque loads, and by using a standard design, Groschopp was able to reduce costs for the conveyor manufacturer.

CHALLENGES:

- ⊗ Continuous duty
- ⊗ Variable torque load
- ⊕ Needs to fit into a tight envelope (safety concern)

SOLUTION:

- ⊗ Right angle AC gearmotor mounts alongside system
- ⊕ Right angle gearbox can easily support the varied torque loads
- ⊕ Standard gearmotor to eliminate costs

