

# TOUGH JOBS

A **GROSCHOPP**® CASE STUDY

## ⊕ Milkshake Blending Machine ⊕

Groschopp engineered a custom DC motor to match the applications requirements of a milkshake blending machine. Equipment used in kitchens have strict design standards to follow. Groschopp built a tightly sealed DC motor with an extended stainless steel food-grade shaft. This motor was able to run continuously and hold up against ice cream splashes and frequent cleaning.

Custom end bells were used so the motor could fit within the manufacturer's product housing. A custom power cord and special windings were also used to meet the customer's specifications.

### CHALLENGES:

- ⚡ Harsh environment, sealed against splashing liquids
- ⊗ Continuous duty
- ⊕ Frequent cleaning
- ⊗ Size restrictions, must fit within a custom housing

### SOLUTION:

- ⊕ PMDC motor with custom end bells
- ⚡ Extended stainless steel shaft and sealed bearings
- ⊗ Special windings to meet customer specifications
- ⊕ Custom power cord

