

# TOUGH JOBS

A **GROSCHOPP**® CASE STUDY



## Laboratory Mixer



A manufacturer of overhead mixers to grind plant seed materials needed a motor that could operate at extremely high speeds and torque in order to grind the material into dust. Groschopp worked with them on a few prototypes to find something that could hold up to their torque requirements. After heat-treating the shafts to increase their strength under load and modifying the end bells, Groschopp's PM10816 motors met the customer's needs.

### CHALLENGES:

- ⚙️ High torque and speed requirements
- ⌘ Long life with intermittent operation

### SOLUTION:

- ⚙️ PM10816 with customized output shaft and end bells
- ⌘ Heat-treated output shaft for increased strength under load
- ⌚ Long operating life

