

# TOUGH JOBS

A **GROSCHOPP**® CASE STUDY

## + Impact Wrench

In the heat of battle, the last thing someone should have to worry about is motor reliability. Groschopp helped with the design of a heavy-duty impact wrench to be used in Abrams Tanks, Bradley Fighting Machines, and Humvees during battle. This wrench was built with a custom universal parts set motor design to allow high torque performance in a rugged, durable housing.

### CHALLENGES:

- ⊕ Universal parts set motor
- ⊗ High torque to remove and tighten large bolts and nuts
- ⊕ Durability and reliability required

### SOLUTION:

- ⊗ High torque universal motor
- ⊕ Rugged and durable design
- ⊕ Able to function without fail under severe conditions

