**BETTCHER INDUSTRIES**

**QUANTUM™ MOTOR YOKE**

**AVIENT SOLUTION**

Complēt™ Long Glass Fiber Nylon Composite

**WHY AVIENT?**

- Optimized yoke design for new material and performed CAE analysis to confirm reliability
- Reduced part weight by nearly 40%
- Single-step injection molding fabrication cut lead times and lowered per part costs
- Molded-in color eliminated secondary painting and finishing operations

**KEY REQUIREMENTS**

- Reliably support 25-pound motor without deflection
- Reduce manufacturing system costs through metal-to-composite conversion
- Chemical resistance to withstand corrosive substances during frequent sanitation and during use

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