

Efficiency

One Motion products use a magnetic array bonded inside a hollow core to directly power the pulley or hub. Rotation is then achieved by pushing the magnets around. The magnets are shaped to create a high pole count, which results in high mechanical power. By rotating the pulley/hub directly, there is less electrical consumption with efficiency above 90%.

“Only One Transfer of Energy”

By using only electrical power for direct mechanical rotation, no energy is wasted as is when passing through a conventional motor and gear box setup.

Pushing Magnets Around... Simple!

Performance

One Transfer of energy means there is no time wasted to spool up a gearbox, no wear of gear teeth, no backlashing, acceleration that exceeds traditional servo/gearbox solutions along with faster and more precise positioning. One Motion products out perform conventional inner runner servo motors.

- ✓ High Power Magnetic Arrays
- ✓ No Gearbox
- ✓ Direct Drive

Reliability

When floor production comes to a halt, the cost is high. One Motion products are designed to keep conveyors running. By rotating the outer shell directly, the conveying processes is vastly simplified:

- ✓ 90% Fewer Rotating Components
- ✓ No Special Electronics Required
- ✓ Industry Leading 3 Year Warranty



Can Be Custom Designed To Fit Your Needs