

THE ADVANTAGE

Magnetic arrays allow for new devices to be created. From a pulley with diameters as small as 58mm (2.28"), to balcony designed hubs which are mounted from one side, allowing for quick installation of endless belts down to 90mm (3.5") widths, or Multi-Drives which control up to six belts at different speeds/direction on the same plane.



The conventional motor and gearbox has been replaced with rare earth magnets. The result is a hygienic design that offers **improvement in the efficiency, performance & reliability** of your systems, processes and machinery.



To learn more about
Mag-Drive technology, visit:

onemotion.tech



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Mag-Drive

*Magnetic Direct Drive
Technology*

**A NEW,
INNOVATIVE
APPROACH
TO ROTARY
MOTION.**

one MOTION

EFFICIENCY • RELIABILITY • HYGIENIC • PERFORMANCE

EFFICIENCY

One Motion™ Mag-Drives create rotary motion by applying electromagnetic force to magnets. The magnets are specially shaped to create a high pole count, resulting in high mechanical power. By rotating the outer shell directly, there is less electrical consumption with efficiency above 90%.

- **55% More Efficient Than Conventional Motors**
- **43% More Efficient Than Drum Motors**
- **Reduced GHG Emissions**

“ONLY ONE TRANSFER OF ENERGY”

Electrical energy is used 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

No time wasted to spool up a gearbox, no wear of gear teeth, and no backlash. Mag-Drives provide acceleration that exceed conventional servo/gearbox solutions, along with faster and more precise positioning. Multiple OEMs have used mag-drives to improve product merge and indexing.

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



RELIABILITY

The cost of unplanned maintenance and repairs is high. One Motion's Magnetic Direct Drive technology is designed to keep machinery running by simplifying the process needed for motion control:

- **Fewest Rotating Components**
- **No Special Electronics Required**
- **Industry Leading 3 Year Warranty**

**MOTION
CUSTOM
DESIGNED
TO FIT YOUR
NEEDS**

