

Success Story

Robust Design, Excellent Value, Higher Sales

Affordable K Series Stepper Motors and P7000 Drive Improves Performance and Increases Sales

The K Series stepper motors offer higher acceleration at 25% more torque across speed ranges and combines seamlessly with the P7000 stepper drive to create unsurpassed system smoothness, functionality, performance and innovation at excellent value.

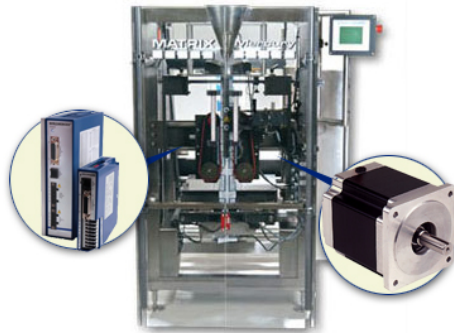
Challenge

Matrix Packaging Machinery is an industry leader in vertical form / fill / seal packaging systems. They needed an affordable stepper motor and drive suitable for their newly designed G-Series machines. Affordability and product quality were important factors, and the ability to generate higher sales growth was imperative.

Solution

Matrix Packaging Machinery chose Kollmorgen for various reasons – in addition to having a competitive price point, Kollmorgen provided more value by offering improved torque, precision and consistency.

The [P7000 drive](#), equipped with microstep technology delivers precision and performance comparable to many servo systems, and saved the OEM over \$500 per axis. This technology allowed them to compete with offshore manufactures and increase their sales 10%. Their system cost was reduced by 30% because of the open loop stall detection, which eliminates the need for a separate sensor and results in minimized downtime. The P7000 drive's adaptability enables it to be an ideal drive for single or multi-axis applications requiring high-speed performance or low-speed smoothness.



Kollmorgen's K Series stepper motor also offered Matrix Packaging Machinery tremendous value by offering a more efficient motor with 50% more acceleration along with 25% more torque across all speed ranges. The stepper motor does not use feedback, which makes product changeover more easy and accurate.

The combination of Kollmorgen's K Series stepper motor and P7000 stepper drive creates a solution that delivers impressive torque density at excellent value. Matrix Packaging Machinery experienced higher sales because their machines delivered all the power of a larger motor at a more affordable price.

KOLLMORGEN®

Because Motion Matters™

FAST FACTS

Challenge:

Improve sales with an affordable stepper solution

Solution:

K Series motor and P7000 drive which work cohesively together ensure optimal performance at excellent value

Measurable Benefits:

- 10% sales increase
- 25% more torque
- \$500 savings per axis
- 30% cost reduction

Other Applications:

- Microstep technology
- Open loop stall detection
- High torque density

Have Similar Challenges and Want to See Real Results?

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About Kollmorgen

Kollmorgen is a leading provider of motion systems and components for machine builders around the globe, with over 70 years of motion control design and application expertise. Through world-class knowledge in motion, industry-leading quality and deep expertise in linking and integrating standard and custom products, Kollmorgen delivers breakthrough solutions unmatched in performance, reliability and ease-of-use, giving machine builders an irrefutable marketplace advantage.

For more information, visit kollmorgen.com, email support@kollmorgen.com, or call 540-633-3545.