

IS Machine Drive and Control Systems

High-performance mechanical and electrical design, combined with user-friendly software makes the GENESYS™ Drive Systems among the best in the world.

With over a decade of experience in the glass container industry, Applied Motion Systems has achieved a reputation for excellence with its IS Machine Drive and Control Systems.

Built with non-proprietary components and an open architecture, the GENESYS IS Machine Drive Systems are designed for flexibility, reliability, and maintainability in the demanding glass production environment. With industry-leading productivity and the ability to adapt easily to changing production requirements, GENESYS Systems provide a quick return on investment.



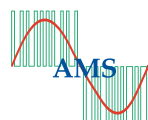
A Unique Design Approach

The AMS design philosophy calls for the intelligent integration of industry-standard components optimized for reliability and control. Because of our extensive experience in the glass industry, GENESYS Drive Systems achieve excellence in the following categories:

Ease-of-use. All machine settings can be stored relative to product ID, allowing quick set-up and fast job changes. Short sample runs and frequent job changes are handled quickly through a user-friendly operator interface.

Reliability. We design with robust components that are rated for exceptional performance and longevity. Components are integrated with system software that facilitates easy-to-use troubleshooting and maintenance. Our software monitors and anticipates failure points, and provides the means to quickly identify and remedy problems when they occur.

Control. Sophisticated DSP-based motion controls allow you to adjust the timing and phase of each process along the product path. With GENESYS Systems, you can precisely control the smooth flow and transfer of ware through your IS machine. The entire glass container-making process sees a reduction in downed ware and product damage.



IS Machine Drive and Control Systems

CONTINUED

Comprehensive IS Machine solutions

AMS offers end-to-end design and installation of the IS Machine Drive System, as well as component retrofits of the key operational modules. Our solid experience and success in the glass industry is evidence that we understand IS Machine control inside and out.

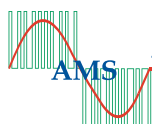
- ✓ **Mechanical and servo feeder controls.** Precise digital control over feeders and shears provides accurate and consistent gob size and optimum ware production.
- ✓ **Gob distributors.** Our systems are designed with a reduced number of on-machine components for higher reliability and longer life. Software monitoring and control allows quick diagnosis and resolution of problems.
- ✓ **Machine and cross conveyors.** Digital velocity control ensures precise ware spacing and consistent delivery to the Lehr. Dynamic load display and system self-checks continuously monitor health of drive train components.
- ✓ **Transfer wheels.** AMS uses a closed-loop AC Vector motion control axis that is synchronized to the master feeder signal for exact bottle-to-pocket alignment and smooth transfer to the cross conveyor.
- ✓ **Mechanical and servo stackers and Lehr loaders.** Mechanical versions can vary speed for flexible push and side shift profiles without changing cams. Servo versions offer infinitely variable sweep profiles for optimum loading performance at any speed.



Rely on Applied Motion Systems

AMS engineers work with you to determine how best to enhance the performance of your glass container production process. Whether it's a modular retrofit or a top-to-bottom upgrade, IS Machine Drive Systems from AMS offer the highest levels of reliability and efficiency in the glass container industry.

For more information, or to get a quote on your motion application, contact us today.



APPLIED MOTION SYSTEMS

Simplifying the Complexity of Motion

12000 NE 60th Way ■ Vancouver, WA 98682 ■ Phone: 360.253.4810 ■ Fax: 360.253.4818 ■ e-mail: sales@appliedmotionsystems.com

www.appliedmotionsystems.com