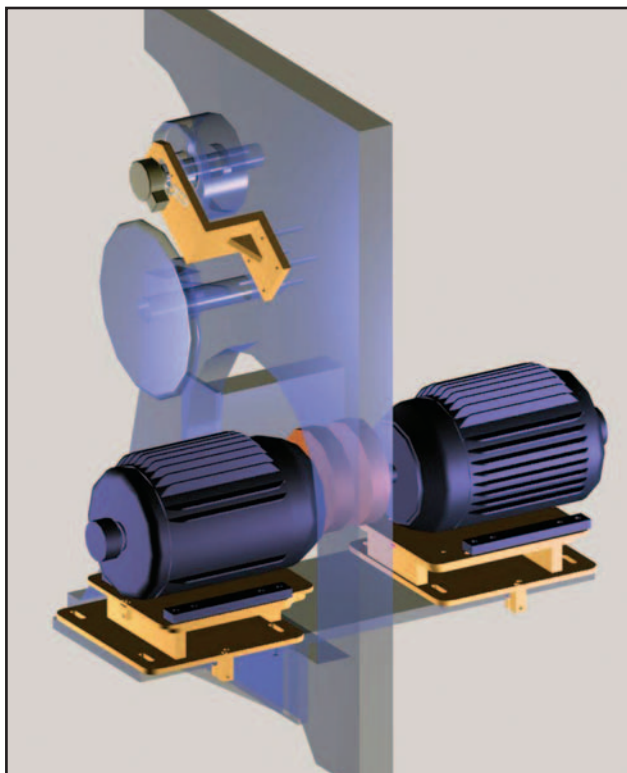
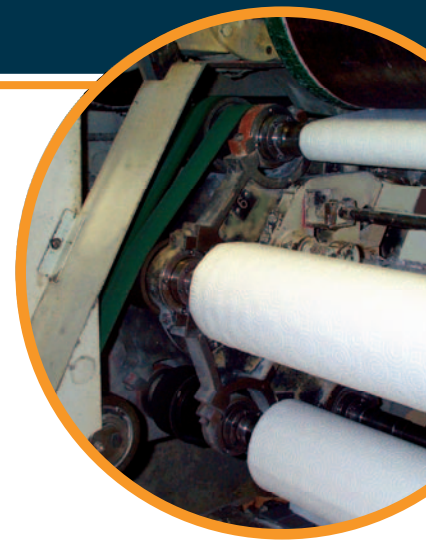


Metered Winding Systems

Precision Control With Digital Metered Winding Solutions

A decade in development, our GENESYS™ digital metered winding system gives you unmatched flexibility, performance and cost savings for towel and tissue roll production. Large-scale converting operations rely on GENESYS systems to achieve consistent product diameters and improved production.

Every GENESYS metered winding package provides HHT, BRT, HWT and perforated HWT production flexibility. Each system delivers years of robust and trouble-free performance.



Achieve Precise Roll Diameter

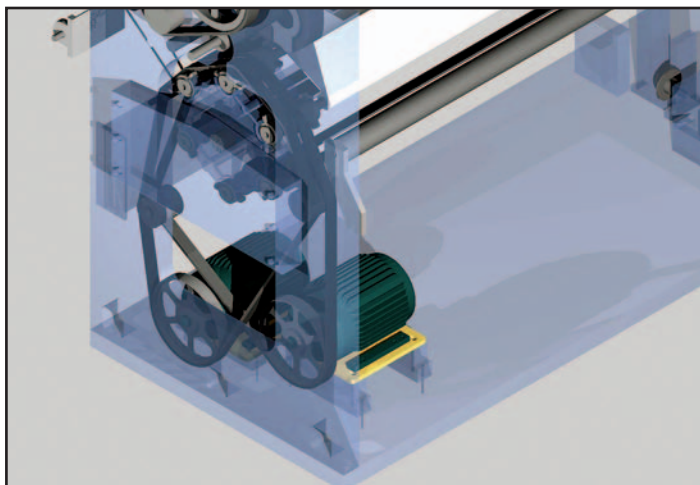
AMS adaptive control algorithms ensure consistent, repeatable roll diameter in either velocity or tension control mode of operation.

The GENESYS system defines optimum mandrel velocity based on planned radius build. In velocity mode, this system is unsurpassed in delivering precise roll diameter control regardless of variations in paper bulk.

For HWT applications, GENESYS provides precise diameter control based on implicit radius measurement and an adaptive torque algorithm to compensate for variations in paper bulk. Actual diameter measurement is compared to an ideal diameter trajectory, and torque settings are modulated to ensure the roll build rate progresses as planned.

This approach has proved successful in numerous rewinder applications that have enjoyed continuous 24x7 operation since 1994.

Metered Winding Systems CONTINUED

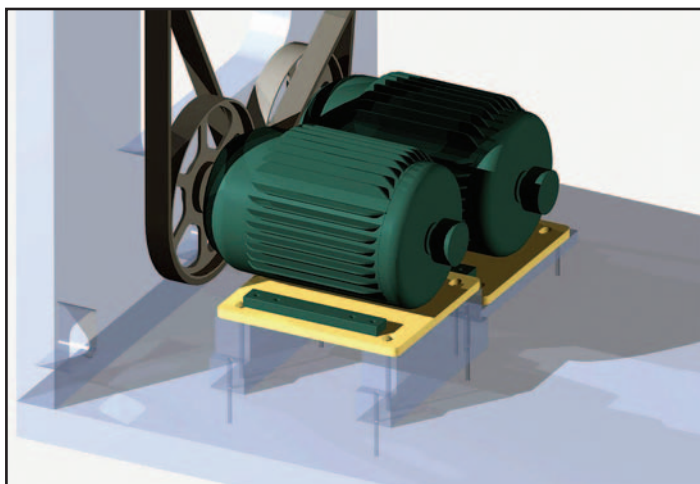


A Fully Digital Control Solution

Achieve precise diameter control to any specification. GENESYS provides digital control over winding velocity for perforated products and tension control for hard wound towel products. AMS pioneered implicit radius measurement technology and exploits this technology to provide the best metered winding control system available today.

Optimized Mechanical Design

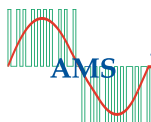
The AMS approach to engineering ensures maximum dynamic response and rotational stability of the drive train. Our metered winding solutions have been refined through rigorous analysis, dynamic modeling, and years of successful implementations, and they set the industry standard for reliability and performance.



Rely on Applied Motion Systems

Achieve consistent diameter control across the range of your products with Applied Motion System's digital metered winding solution.

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



APPLIED MOTION SYSTEMS

Simplifying the Complexity of Motion

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