Advanced Solutions for Web Transport:

*Patented **Airnertia ™** Technology*
***MDR** (magnetically driven roller) Technology*

What are these technologies?

Airnertia™ offers web transport rollers with reduced moment of inertia.
MDR technology is used on web transport rollers to reduce the effects of roller mass, bearing friction, web speed changes, and entrained (boundary layer) air.

Why is Martin Automatic Inc offering Airnertia and MDR technologies?

The continuing emphasis for all manufacturers and converters is to do more with less: increasing throughput by raising web speed while reducing waste. These are noble goals that are compounded by the industry-wide trend to use revised material structures. These revised materials can demand lower web tension set points, which is not aligned with higher web tension set points traditionally required for higher speed.

Airnertia and MDR technologies allow Martin to continue offering reliable and creative zero-speed splicing automation, along with improved process operation, that industry requires.

Benefits of Airnertia and MDR technologies:

- Modular technologies that can be used on all process equipment utilizing idler rollers for web transport
- Higher web speed
- Lower web tension set point
- Higher rate of change for web speed - without need for higher web tension set point
- Reduced equipment size
- Reduced waste
- Increased productivity

Where can I get more information?

Contact your Martin representative to discuss your process and the use of Airnertia and MDR technologies.

Martin Automatic Inc High Performance Splicing, Rewinding, and Tension Control Systems
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