

The Latest From Suppliers

Card System

NSC Nonwoven is introducing T.T. Excelle card. Before this innovation, for the inline carding process, as production lines increased their linear speed, it was common to see a progressive drop in the physical strength properties of the final wipe fabric. This loss of strength always comes with a more unbalanced MD/CD strength ratio and consequently quality properties become very limited when wipes are produced at high speed.

The wipe market application requirements, and the development of high speed converting equipment, with more demanding physical properties, means requests from the roll good producers for a minimum CD value which are out of reach when running at speeds more than 170-200 m/min. The few high speed lines which are running faster are dedicated to niche markets where wipe fabrics accept MD/CD values in excess of 5:1 and CD strength values well under 20 N/5 cm.

33-0-3-20-2377-43
www.nsc-nonwoven.com

Non-Contact Measurement Technology

Beta LaserMike, a leading global provider of precision measurement and control solutions, sees a growing trend with nonwovens manufacturers implementing laser-based, non-contact encoders to automatically and accurately measure and control the length and speed of their products.

"Most nonwovens production plants use a contact wheel encoder to control the length and speed of material being produced on their lines," said Les Jensen, chief engineer of the LaserSpeed product line at Beta LaserMike. "They may also use another type of mechanical encoder or pulses off the drive. But, these methods are prone to measurement errors due to slippage, dirt build-up and day-to-day wear issues. These problems can cause costly product over-shipments or shortages. Our LaserSpeed solution eliminates this problem by providing precision, non-contact length and speed measurements."

The LaserSpeed encoder uses advanced, laser-based technology to accurately and reliably measure the length and speed of nonwoven materials during production without making contact with the product. This laser encoder projects a unique pattern on the surface of the product. As the product moves, light is scattered back to the LaserSpeed unit. This information is translated into product speed and pulses are produced to determine the product length. Length and speed measurements are captured with better than +/-0.05% accuracy. Since LaserSpeed uses no moving parts and is permanently calibrated, it is the ideal replacement for contact encoders.

937-233-9935
www.laserspeedgauge.com.

Preveil Pollution Control Media

GE announced that Preveil is the new name for its 99.9% efficiency air pollution control media. The membrane laminate can help customers in certain industries lower utility costs, extend

bag life and reduce particulate emissions. For example, a cement plant saved \$100,000 per year in fan electricity costs, extended bag life from 1.5 to 4 years, and a steel plant reduced particulate emissions by 95%. Preveil has earned ecomagination approval following research and verification of these performance benefits. The ecomagination distinction coincides with GE's announcement that it will change the BHA Tex name to Preveil. "Customers will receive the same extraordinary filtration technology, providing some of the highest efficiency filter bag media available," said Jeff Ladwig, product line manager for GE Energy Services.

"Now there's simply a new name, and Preveil has been approved as an ecomagination product following GE's rigorous review process confirming the environmental and economic benefits."

The Preveil membrane is made from PTFE resins. PTFE resin is expanded into a membrane composed of millions of microscopic pores in a three-dimensional, web-like structure. The membrane has a nonstick surface that operates without a dustcake and is recognized as the best achievable control technology today for fabric filters with better cleaning and 99.9% efficiency.

816-313-4496
www.ge.com/energy

Ratcheting Knife System

Core Systems International (CSI) is launching its patented Ratcheting Knife System, which can be easily installed on most core cutters. The Ratcheting Knife increases knife life six to eight times and reduces the need to manually adjust knives, saving money and increasing safety.

The Ratcheting Knife ratchets after every cut, which allows for even knife wear. The company claims the product means no more manual rotating or changing of knives.

734-847-2646
www.csicore.com

Thermex Sensor Film

Sensor Products is offering Thermex temperature distribution film. Thermex is an economical thin film that can be used in virtually any application to monitor heated contacting surfaces from 200-300°F (93-149°C). It may be used alone or in conjunction with pressure indicating film from Sensor Products.

Upon exposure to heat, Thermex changes color instantaneously and permanently to reveal temperature distribution between any two contacting surfaces. The intensity of this color change directly relates to the temperature it was exposed to enable Thermex to reveal spot high or low temperature zones and minute surface variations.

Invasive intolerant environments and interfaces that aren't easily accessed with traditional temperature indicators and infrared thermometers are among candidates for Thermex.

973-884-1755
www.sensorprod.com/thermex.