

# Nonwovens

Issue 2 - January 2010

A publication for nonwovens producers

*NOW!*

## Nonwoven Notes .....



Happy New Year to all our readers!

It has been a busy 3 months since our first publication! I am pleased to report improvement in business and investment in new equipment.

Furthermore, we had a tremendous response to our inaugural "Nonwovens Now" newsletter which featured the new **FIBERfoam** technology by

TECHNOplants. Replacement of foam by fiber product represents one of the biggest growth areas for nonwovens that we see. **FIBERfoam** can be incorporated into existing lines with output of up to 800 kg/hr possible.

TECHNOplants has also launched a new and improved **FIBERwave** technology. This vertically lapped technology - featured in today's publication - no longer has the production limitations that curtailed customer interest historically. A 3.5 meter line outfitted with FIBERwave technology can obtain production levels up to 600 kg/hr.

On November 3rd, we joined American Trützschler in celebrating 40 years of service to the US textile and nonwoven industry. Trützschler hosted an entertaining as well as informational day-long event in Charlotte, North Carolina. Their goal is to be the leading supplier to the nonwoven industry.

Last, but certainly not least, in late December, American Trützschler completed their asset acquisition of John D. Hollingsworth. We have been informed of customer specifications for Hollingsworth products and have in inventory 600,000 pounds of finished wire from JDH. We are working closely with customers to meet their specific wire requirements.

There will be a transition time before all the Hollingsworth machinery is up and running in the American Trützschler facility. The specialty roll shop will open soon in Greer, SC, with former Hollingsworth staff. We want your business and are here to make this as smooth a transition as possible.

All of your comments and questions are certainly appreciated so keep them coming! It is truly our goal to be your one-stop, full service provider.

Sincerely,

*Charles Little*

Director of Sales

## New and Improved FIBERwave Technology

Known for years, FIBERwave is experiencing a new surge in its applications by virtue of the improved version of this type of technology now available from TECHNOplants.

Overcoming productivity limitations was the key to making this technology commercially viable for a much broader range of products.

FIBERwave, which is pleated and vertically disposed staple fibers, is produced on a vertical lapper.



Close-up of FIBERwave structure

Given its limited dimensions, the vertical lapper can be easily installed on existing lines in order to gain production lines for voluminous/high-loft materials with a wide range of applications.

Ideally the vertical lapper is interposed between a carding machine and a double belt oven. An unwind stand to couple a second material onto the FIBERwave batt can be added.

FIBERwave material has excellent compression resistance and a high degree of resiliency over a given period of time.

\* Continued on page 2 \*

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Since 1948, Louis P. Batson Company has been a full-service supplier of capital equipment, machinery accessories, spare parts, plant supplies, and technical service to the textile, nonwoven, converting and plastic industries.

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## *New and Improved FIBERwave Technology (continued)*

As a quick review, below is a comparison between the production capabilities of both FIBERwave and FIBERfoam.

|                       | <b>FIBERfoam</b>   | <b>FIBERwave</b>   |
|-----------------------|--|--|
| Maximum working width | 4000 mm  | 3500 mm  |
| Method of production  | Fiber ball shaping - chute feed: fiber ball mat - thermobonding - cutting, winding | Cardweb - vertical lapping with finger disc rollers - thermobonding - cutting, winding |
| Production/hour       | 800 kg/hour  | 600 kg/hour  |
| Density               | 15 - 120 kg/m <sup>3</sup>   | 8 - 120 kg/m <sup>3</sup>  |
| Weight                | 400 - 4000 kg/m <sup>2</sup>   | 80 - 3000 g/m <sup>2</sup>   |
| Thickness             | 10 - 180 mm  | 10 - 65 mm   |
| Fibers                | PES, <15 dtex, >38 mm, corrugated, hollow, dry;<br>BICO: 2.2 - 3.3 dtex, 25-40 mm  | Staple and shoddy fiber, natural and synthetic fiber                                   |
| Fields of application | PU-foam replacement, upholstery, automotive, and sound insulation                  | Insulation material/prefabricated houses, upholstery, automotive and sound insulation  |

For more information on FIBERwave or FIBERfoam, contact Charles Little at [charleslittle@lpmatson.com](mailto:charleslittle@lpmatson.com).

### **Come see us at IDEA 2010 !**

April 27 - 29, 2010, Miami Beach, Florida

|                         |               |                              |               |
|-------------------------|---------------|------------------------------|---------------|
| American Trützschler    | Hall C, #1716 | Quick Vac Inc.               | Hall B, #1468 |
| Louis P. Batson Company | Hall B, #1468 | TechnoPartnerSamtronic (TPS) | Hall B, #1468 |
| National Wire Fabric    | Hall B, #1468 | TECHNOplants s.r.l.          | Hall B, #1467 |
| PALLMANN Industries     | Hall B, #1468 |                              |               |

Registration information can be found at [www.inda.org](http://www.inda.org).

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