



Turbo-Screws®

PLA Foam Development Newsletter

Plastic Engineering
Associates Licensing, Inc.

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Link Category Title

[NatureWorks Link](#) – find out about Ingeo® bio-polymers

[PLA Foam Equipment Link](#) – visit our sister sight Plastic Engineering Associates, Inc., est. 1968

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A Frank Discussion on PLA Foam R&D

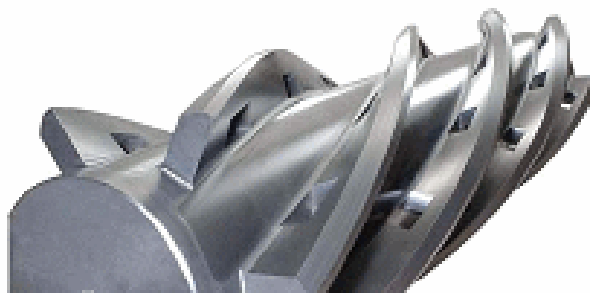
Based on our customer interaction & website traffic (www.turboscrews.com), many companies world-wide are curious about PLA foam extrusion. We know there are firms that continue to try and develop their own process technology for PLA foam extrusion. We all know how expensive R&D is, especially in an emerging field. Our question to foam producers world-wide is: "Why re-invent the wheel?"

As regular readers of our newsletter know, our foam PLA extrusion process is operating now and ready for you today.

January 2008 marks the fourth year of collaboration by our company, Plastic Engineering Associates Licensing, Inc. (PEAL) with NatureWorks, LLC (NatureWorks) on PLA foam extrusion. PEAL is a preferred equipment supplier to NatureWorks and Turbo-Screws® technology has been recognized by NatureWorks as the preferred technology for foam extrusion of NatureWorks' Ingeo® bio-polymers.

Working with our partners, we continue to develop our process and technology to maintain your organization's competitive position. PEAL continues to deliver the most advanced PLA foam extrusion technology and process knowledge in the world today. A cornerstone of our R&D efforts is our Turbo-Screws® technology foam feed screws specifically developed for NatureWorks' Ingeo® bio-polymers.

The alternative to Turbo-Screws® technology for Ingeo® bio-polymers is the time consuming, costly process of Research & Development. It just makes good business sense to take care of your core business. PEAL has the knowledge and expertise to solve your PLA foam processing problems quickly. We deliver the competitive advantage you need today without the costly R&D headaches. Don't wonder where the market is going ... be there ahead of your competition!



Turbo-Screws®

Something to Consider

Demand for biodegradable plastic in the US is projected to rise more than 15% annually to 720 million pounds in 2012, valued at an estimated \$845,000,000 USD.

Packaging accounts for nearly 75% of all biodegradable plastic use in 2007. It is forecast that the largest gains in biodegradable plastics will be in food packaging.

Legal - another USA city bans expanded polystyrene



Mike Verespei of *Plastic News* reports that pending a second vote sometime in late 2008, Newport Beach, California will become the 16th city in California to ban expanded polystyrene takeout containers.

The city ban will apply to a myriad of polystyrene food service ware, including containers, bowls, trays, cartons, cups and other one-time use items. The ban will apply to restaurants and supermarkets and the ban is scheduled to go into effect April 26, 2009.

Patent News

PEAL is pleased to announce that Mexican patent authorities have granted Mexican patent protection for Turbo-Screws® technology foam feed screws (October 2008).

New Business



We are extremely pleased to announce the granting of our first European license of Turbo-Screws® technology foam feed screws for the production of PLA foam sheet & food containers. PEAL's President, Dave Fogarty stated "This licensee is a major player in the European food industry and we couldn't be more pleased."

PEAL's Vice President, Bill Fogarty, commenting on PEAL's newest customer, said "Our new customer was unhappy with the quality of the PLA foam food packaging made in Europe today. With Turbo-Screws® technology they see an opportunity to introduce higher quality PLA containers produced at commercially viable throughput rates. We are very excited to be a part of the introduction of PLA foam containers into the European market. It is a win-win for both companies and it is also good for the environment."