

TEKRA NEWS

IN THIS ISSUE

- *It's Not Easy Being Green*
- *New 3M Promotional Products*
- *New Innovation: Photovoltaics*

DISCOUNT & OPPORTUNITY BUYS

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PARTNER NEWS

Tekra Will Show at Dscope 2010. Visit Us in Dallas!

Tekra will be in Dallas for the 5th annual [Dscope conference](#) Feb. 18 to 20. This conference focuses solely on HP Indigo press users so if you are considering the purchase of an Indigo or are looking for new uses and markets for your HP Indigo press, this is the show. This year Tekra will be showing materials to support the new commercial and label presses and showing the Industry's largest line of [HP printable films](#). [Click here for more show info](#)

COATING NEWS

Tekra Upgrades Coater Drives

Tekra Corporation recently finished upgrading drives on both their two [industrial coating lines](#). The new computerized direct drives are gearless and designed to operate with very low levels of vibration allowing great uniformity of coating applications and preventing optical defects such as chatter and flow defects.

FEATURED PRODUCT

3M™ Promotional Products Outstanding Quality at Low Prices

Tekra now carries [3M™ Promotional Products](#). [3M™ Scotchcal™ Graphic Film IJ35](#) is the perfect solution for short term signs, display and exhibit projects. This cross functional film can be either screen or digitally printed and is also available with [Comply™ version](#).

If your application requires removability, [3M™ Scotchcal™ Graphic Film with Comply™ Adhesive IJ40C](#) is your solution. The air release channels in the adhesive allow for fast, easy, virtually bubble-free applications while, at the same time, the adhesive is removable from most



substrates.

There is even an economical indoor floor graphic in the line. [3M™ Controltac Graphic Film IJ162](#) provides excellent images, is repositionable and can be easily removed with heat.

Call us for a quote today!
[Click here for more information on 3M™ Scotchcal™ Graphic Films](#)



It's Not Easy Being Green



A wise man once said, "It's not easy being green." Well....OK...maybe it wasn't a wise man, but a wise frog who sang it, as in the famous Muppet Kermit the Frog. And even though Kermit was speaking about the color of his skin, this

TEKRA SPOTLIGHT

quote can also apply to the challenge presented to [Tekra's Green Team Initiative](#). Its not always easy being green but we need to engage in the best business practices that generate economic growth while balancing the impact on our environment. This was the challenge that was given to Tekra's Green Team.

One area that has always been extremely important to our green efforts is Tekra's Thermal Recuperative Oxidizer. The oxidizer destroys Volatile Organic Compounds (VOCs) from our coating operations, which are discharged in industrial process exhausts. The oxidizer achieves the destruction of the organics by the process of combustion. All solvents are oxidized to carbon dioxide and water vapor due to the proper mix of temperature, time, and turbulence within the reactor chamber. Our current oxidizer runs at 95% energy efficiency, meaning that only 5% of the heat and energy produced leaves the oxidizer via the exhaust stream. The other 95% is recycled and used again. 95% efficiency is a great number, but our Green Team asked the question, "Can we run it more efficiently and if so what positive effect will it have on the environment?"

So this question was posed to the manufacturer of our oxidizer. How can we cut a couple percents off of what we

currently lose in terms of efficiency and reducing natural gas and electrical use? Their answer was quick: Media.

Inside our oxidizer we have a heat recovery multi-layered media bed. This bed is made up of layers of ceramic materials. The media beds essentially recycle the heat and energy used. Currently we have 40 inches of stacked media installed. By adding an additional 12 inches, we would be able to increase our energy efficiency by 2% to 97%.

Now this doesn't sound like much but the 5% inefficiency equates to 93,000 therms used per year. The 2% increase will remove 40% of our usage. We will then be able to reduce our therm usage to approximately 56,000 therms per year. Considering that the average U.S. home uses 920 therms per year, 40 homes can now be heated with our saving each year. In addition, grant money from Focus on Energy is available to us to help pay for this upgrade because of the green effort it entails.

Kermit had it right...., "It's not easy being green" when applied to business decisions involving the environment. But in this particular case, with saving energy and natural resources at a minimal cost, the decision couldn't have been any easier. The proposed upgrade is schedule to be installed in early 2010 and Tekra and our environment will be reaping the benefits in no time. If you have any questions regarding energy savings projects at Tekra or your facility please contact your sales representative. We'd love to share ideas and best practices with you.

[Click here for more information on Tekra's Environmental Sustainability Policy](#)

Here Comes The Sun & Tekra Too

Until the last few years, solar power or the photovoltaic (PV) industry enjoyed steady but unexciting growth rates. The underlying economics and the technology both for power creation and power grid management limited the industry's growth. Recently, however, the "Green" movement, government subsidies, and technology have created an explosion in demand for solar power.

Tekra is providing plastic films and coating expertise to the PV

NEW INNOVATION

marketplace, meeting the demand for low cost, durable, weatherable substrates used in both traditional silicone solar cell manufacturing and in the emerging thin film products of the future.

It is well understood by our industry that UV light and polymer films are normally not an ideal match. That's sort of a problem when a solar power device has to withstand very direct sunlight for 30 years or more. Add to that, extreme requirements to block moisture and oxygen at rates 100 times more demanding than that of food packaging films, and the

challenges become pretty obvious.

Tekra's material scientists, chemists and coating engineers are developing coatings, laminated film constructions, and barrier adhesives to meet the unique needs of the solar cell manufacturers.

From rigid and insulating backer sheets to weatherable front sheets that transmit greater amounts of light to generate energy from sunlight, Tekra has solutions to offer.

There is a clear trend to develop printed low cost film products to power our future. Tekra's supply partners such as Dupont and 3M all have a variety of innovative

products and services to offer. If you are exploring PV/Solar products, give us a call.



Tekra is providing plastic films and coating expertise to the photovoltaic marketplace

TEKRA CAPABILITIES

Converting Challenges?

As business rebounds in 2010, it may be time to focus on paying orders instead of running those tight tolerance converting and laminating jobs that were brought in house to absorb available labor. Why not consider getting these challenging projects pre-converted from Tekra?

Tekra's high speed sheeting department

can handle sizes as large as 63" X 130" and as small as 12" X 16", holding 1/32 of an inch tolerances. From

2 mils to over 30 mils thick, we can handle your most demanding sheeting requirements.

Film and adhesive slitting is another of Tekra's core services. We can produce rolls as short as 50' on the core of your choice and to virtually any width. Again our tolerances are 1/32" to insure you get exactly the product you need for your most particular customer.

Finally, as a 3M Preferred Converter, we can produce custom laminates and spacers to the highest quality standards. Need an extra liner applied for faster processing or improved die cutting to maximize yields and margins? Give Tekra's laminating services a try. We take the challenge out of the project for you.

Contact Tekra's sales or Customer Service departments today for a free quote and trial.

For more information on Tekra's converting standards, click here



FEATURED PRODUCT

White Lexan® Film Available

Tekra offers Lexan® 8A23-WH4034X in 0.010" gauge. This white translucent polycarbonate film is great for restaurant menu boards, vending machines or P.O.P. signage applications.

One use for this film can be to eliminate processing steps. Instead of purchasing a clear polycarbonate film and then adding a white ink to the film; the WH4034X film already has the desired white color and opacity as part of the film itself.

Another performance reason for switching to this product can be better temperature resistance. Many signage applications use white translucent polystyrene. However, polycarbonate has, roughly, a 100 degree Fahrenheit temperature advantage over polystyrene (Vicat softening temperature of 323°F versus 215°F, respectively). Thus, graphic signage is less prone to be adversely impacted by temperature during shipping/storage or by the application environment.

The WH4034X comes with a gloss polished texture on one side of the film and a matte texture on the other side. Lexan® 8A23-WH4034X has all of the traditional benefits of a polycarbonate film. The white film has excellent printability,

Lexan®
Polycarbonate Film

*Trademark of SABIC Innovative Plastics IP BV



White Lexan typical applications include menu boards

dimensional stability, die-cuttability while processing the same as clear polycarbonate film.

Master rolls are 48"x1925' and can be converted to any sheet or roll size the customer desires.

Tekra stocks the most popular gauge size of 0.010". The film is also available in 0.015" and 0.020" gauges.

8"x10" sample sheets are available through your local Tekra representative – Please ask for one!

Consider Lexan® 8A23-WH4034X for your next application that requires a white translucent 0.010" film!

For more information on Lexan Films, click here