

## Dyna-Tech Receives the U.S. DOE Energy Saver Award

By Kathleen Cullen and Aleisha Fox



Subodh Chaudhari, WVU IAC, Carl Irwin, IOF-WV, Earl Melby and Jenny Weaver, Dyna-Tech Adhesives, Bill Orthwein, U.S. DOE, and Jeff Herholdt, WV Division of Energy

This year at the 2008 IOF-WV Day on January 15<sup>th</sup> at the State Capitol, Dyna-Tech Adhesives and Coatings, Inc. from Grafton, WV received the U.S. DOE Energy Saver Award for their impressive effort in implementing energy savings recommendations set by the WVU Industrial Assessment Center. Earl Melby and Jenny Weaver were there to accept the award on behalf of the company and Melby said that “it was an honor to receive the award.” The Energy Saver Award is

given to companies that have more than 75,000 million Btu total energy savings OR more than 7.5% total energy savings. Dyna-Tech received this award after accomplishing energy savings suggested from a 2005 energy audit at their facility by the WVU Industrial Assessment Center.

### **The WVU Industrial Assessment Center made the following recommendations to Dyna-Tech:**

- Out of the 13 energy saving recommendations, 5 were natural gas oriented and 8 were electricity oriented.
- The advised natural gas savings amounted to 3,679 MM Btu per year and the recommended electricity savings amounted to 94,902 Kwh per year.
- The suggested annual energy savings was \$ 37,508 for energy and \$ 3,365 for water/sewer. The implementation cost for energy recommendations was \$ 15,467 and for the waste recommendation was \$ 96.
- The payback on investment for energy and waste proposals were 4 months and 1/2 month respectively.
- The recommended annual energy savings was 17% of the annual energy costs.

### **Dyna-Tech implemented:**

- A total of 3 natural gas and 6 electricity recommendations along with one waste recommendation.
- Natural gas savings amounting to 2300 MM Btu per year

- Electricity savings amounting to 58,381 Kwh per year.
- Annual energy savings for both natural gas and electricity adding to \$ 25,228.
- Waste savings adding up to \$3,365
- Applied energy savings amounting to 11.14% of the annual energy costs.
- \$ 8,096 for the advised energy recommendations
- Payback for investment on implemented energy savings determined to be 4 months
- A total carbon dioxide emissions reduction for implemented energy savings amounting to 387,755 pounds per year.