



Paper Sensor Offers Energy Savings



Ridgway



Russo

An innovative laser ultrasonic sensor designed and built by Lab scientists — including Environmental Energy Technologies Division's **Paul Ridgway** and **Rick Russo** — was recently successfully tested at a paper mill in Jackson, Alabama. The sensor measures a paper's bending stiffness and shear strength as it speeds

through a production web, which ensures that the optimum amount of raw material is used. This could reduce the consumption of trees and chemicals and save the U.S. approximately \$200 million in energy costs and \$330 million in fiber costs each year. [Full story](#).