

## **Fastec Imaging Donates High-Speed Camera to Purdue University Calumet:**

Students to have hands-on experience with latest in digital video technology to provide real-world tools in machinery troubleshooting.

**Hammond, IN.** At a recent PMMI meeting of the Education and Workforce Committee, Fastec Imaging Corporation presented the School of Mechanical Engineering Technology with one of their newest models of high-speed digital video cameras, the TroubleShooter LE. The camera, which records high-speed events at up to 1,000 frames per second, is to be used in the school's new Mechatronics Engineering program. This program combines mechanical design, manufacturing, and electrical control all using packaging machinery as the foundation. Graduates will have internships available so they will have valuable job experience before graduation.

The TroubleShooter LE was introduced in 2007 and is being used by manufacturing companies worldwide. Manufacturing engineers, field service engineers and maintenance technicians, who are responsible for keeping high-speed production lines running smoothly, use the camera to help reduce machinery jams, speed up setups and line changeovers and to lower scrap and reject material costs.

The portable Fastec camera records up to 1,000 fps and then plays them back immediately on its built-in screen. Engineers can see where problems are occurring and make appropriate adjustments to the production line. In addition to instant playback, images can also be downloaded to a CF card or to a computer via a USB-2.0 for later detailed analysis.

Purdue University Calumet has partnered with PMMI to create the Mechatronics program to provide a strong foundation in mechanical design, manufacturing and electrical control, all using packaging machinery as the foundation. In turn, industry will be able to find qualified, properly educated packaging technicians and engineers from those who graduate from the program. Courses are intended to expose students to the latest mechanical and electrical standards and developing technologies that will help them become valuable assets to future employers.

Backgrounder info – Fastec

Backgrounder info – Purdue Program

Backgrounder info - PMMI