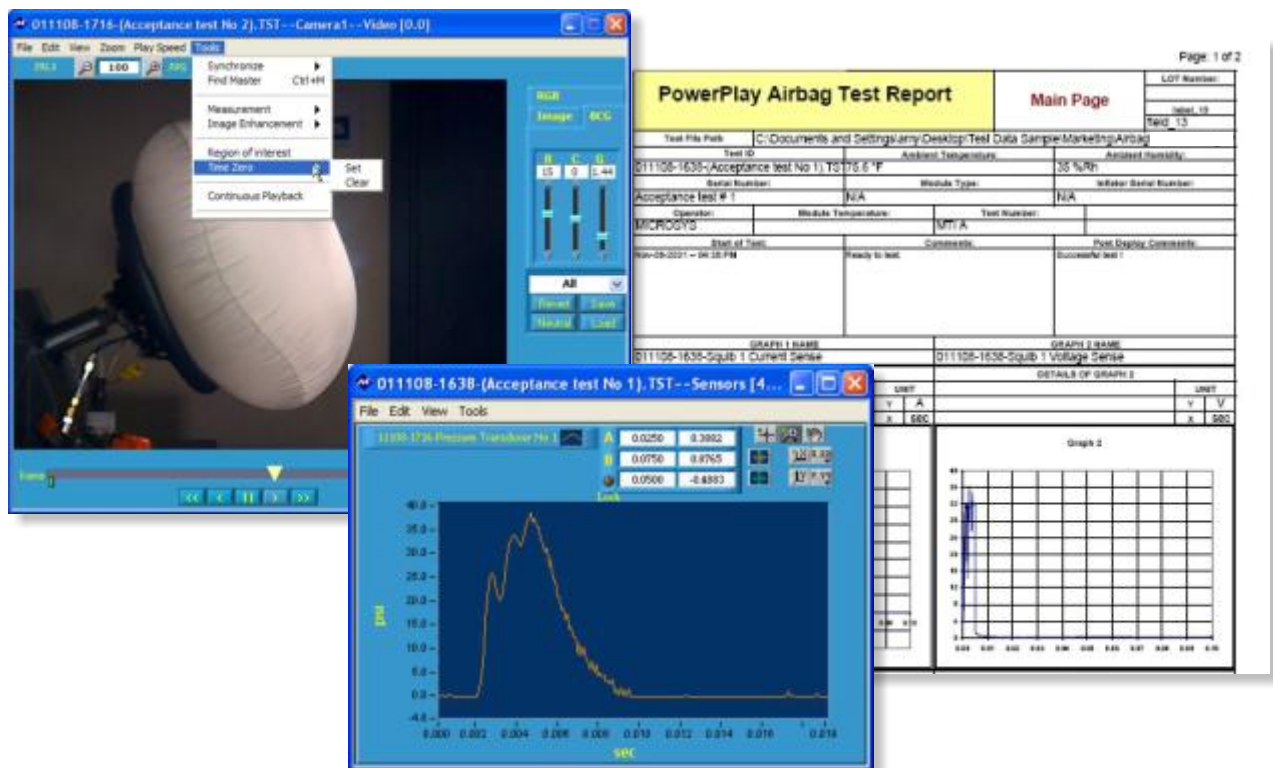# MICROSYS

Concept TECH GROUP

PowerPlay™ Test Analysis Software

Analyze your airbag, inflator, pretensioner test results with PowerPlay

- ◆ **Compare multiple tests, camera views and sensor data fully synchronized in time!**
- ◆ **Sophisticated image enhancement and AVI creation tools**
- ◆ **Combine multiple video and sensor windows to create a single "multi-window" AVI file**
- ◆ **Customizable test reports**

PowerPlay General Features

- Synchronized video data and sensor data playback
- Unlimited number of video windows and sensor windows
- Report generation using Excel templates
- Search and recall of test data from the SureFire test results database

PowerPlay Video Functions

- Enhance images by adjusting red, green, blue, brightness, contrast, gamma. Single click white balance. Save & recall of image enhancement settings
- Image sharpen, soften, edge detection and edge

  enhancement
- AVI creation: set start & end frames, region of interest, control size, quality and play speed
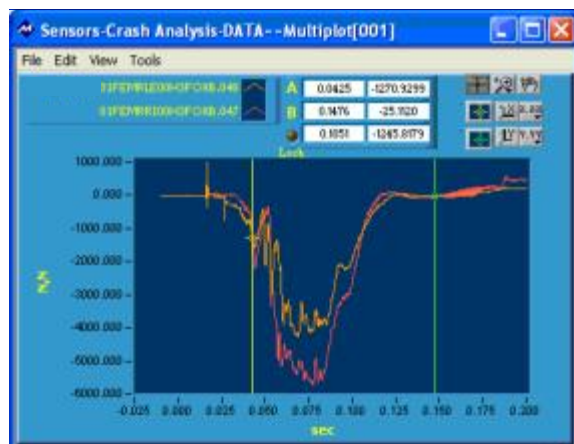

- Enhanced AVI creation: add an information banner, comments and logo to the AVI file
- Create multi-window AVIs that combine multiple video and sensor graphs in to a single AVI file (with the Multi-Window AVI toolkit)

- Batch AVI file creation
- AVI to single image conversion
- Calibrated linear and angular image measurements
- Image rotation
- Region of interest zoom; Size zoom -25% to +1000%
- Export of image enhanced frames
- Time zero (T_0) adjustments for video and sensor data
- Video file types Supported: JPEG, TIFF, AVI, BYR, MPG, BMP, GIF, CIN

PowerPlay Sensor Functions

- Single trace graphs, multiple trace graphs; X vs. Y graphs
- Adjust X & Y axis format and precision, graph ranges

- Time clip sensor files to remove unneeded data
- Math functions: SAE J211 filters, Integration, Differentiation, SQ, SQ RT, Power, EXP, INV, LN, ABS, SIN/ASIN, COS/ACOS, TAN/ATAN and Constants: +, −, X, ÷
- Statistics: minimum, maximum, and average for total time or displayed time
- Dual cursors with time & amplitude readouts
- Import and export to DIAdem Real 64 data format
- Sensor file types Supported: CSV and ISO-13499