

QUARTERLY NEWSLETTER

JANUARY 2006

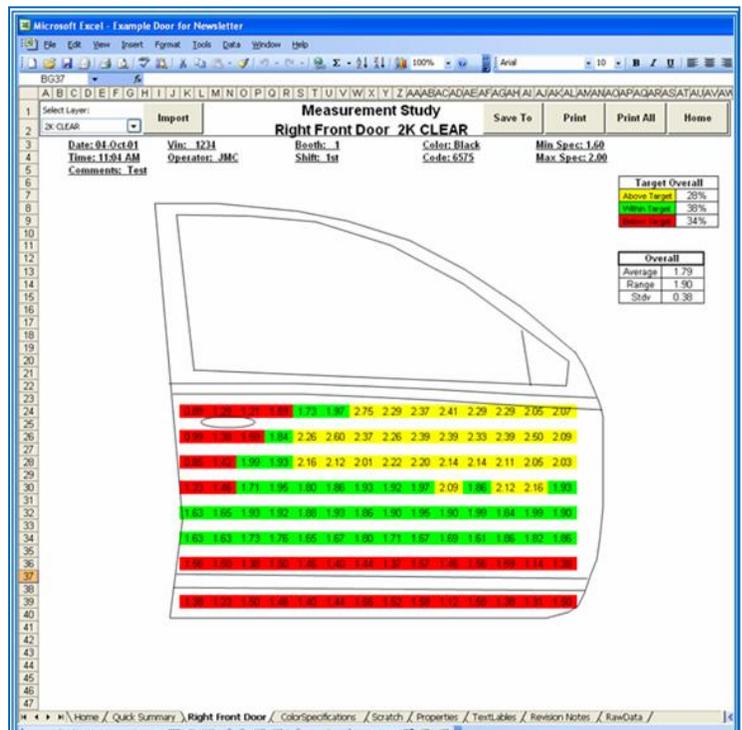
μPELT Tips

- Using water as a couplant will speed cleanup time.
- Panel files are not needed for measurement. Any number of points can be measured by using the Max Point option.
- Clean out wear-caps at least once a week with water to ensure good signal transfer.
- Use the Autogauging feature in PELT Explorer to help with marking waves.
- Operator name, panel file, max points and right/left handed preferences can be stored in User Defaults.
- Remove the battery or turn off the power to the gauge between uses to increase the life of batteries.
- 2nd Function 7 will display the wave as full screen when taking readings.

Advanced Film Build Reports

An updated version of the PELT Film Build Report is now available. This simple to operate report is very flexible and can be used with Excel 2000 or newer versions. It has been designed to allow for easy editing by the customer. Only basic Excel skills are required to edit the macro when changes to an existing reading order or a new body style are needed. This new report incorporates the standard features from prior versions and adds the following enhancements:

- Spec highlighting by layer, body style, horizontal, vertical and windshield locations can now be analyzed with multiple specifications.
- The percent of measurements above, below and within specification can be reported.
- English text can be replaced with other languages.
- International number formats (i.e. decimal or comma delimited numbers) are now supported.
- Visual Basic programming is no longer needed for report customizing.
- The reading order is displayed by default for easy reference or printing.



When introducing a new paint technology, it is important to obtain film thickness readings in areas that are not typically measured on a regular basis. The new report provides a template that can be modified to accommodate the locations required by special studies. A quick summary page is available when a only a list of measurement data is needed.

Traditional statistics are still available by body panel, horizontal, vertical and overall. The report supports all PELT technologies and displays data in mils or microns.

Customers who would like to update their older film build report may contact their JSR Ultrasonics Technical Representative for more details.

Legacy PELT End of Life



In January 2004, JSR Ultrasonics announced the discontinuation of the Legacy PELT products PRD002-200-5-PELT and PRD002-200-PELT.

Customer demand, market competition, and technological advancements compelled JSR Ultrasonics to design and manufacture a new family of PELT Systems. The μ PELT (Micro PELT) family of products offers portability, improved measurement capability and a lower cost of ownership over the Legacy PELT Systems.

With each passing year the number of Legacy PELT Systems in service continues to decrease, while the number of μ PELT Systems continues to increase.

Several key components required to repair Legacy PELT Systems are no longer available. January 2006 was predicted as the end date for repairs. The limited stock of replacement parts has

restricted repairs to Pulsar Cables only. Host computer repairs have not been available since December 2003. A detailed end of life statement is available on our website:

www.imaginant.com/documents/LegacyPELTLifeCycle.pdf

PELT Best Practice

Submitted by Jeff Giles from GM Lansing Grand River

In addition to using the PELT for regular film build monitoring, the GM Lansing Grand River Assembly Plant uses the equipment for troubleshooting issues such as excessive film, sags, dry clearcoat, pinholing and blistering. Film thickness data from the PELT Gauge is also used to help analyze appearance and color information.

The PELT was recently used in prime for a dirt reduction project. Turning off the oscillation of the overhead bells lowered dirt defects. The PELT Gauge was used at 260 points on the hood in a 3" grid to compare spray patterns to determine if this action adversely affected the prime film build uniformity.

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Detroit μ PELT Training

On February 23rd, JSR Ultrasonics will hold a μ PELT Gauge training class in the Metro Detroit area. This is a great opportunity for operators to be trained directly by JSR and for engineers who would like to use the gauge for more than just QC. On-site training services will still be offered, however, this opportunity allows the attendee to focus on the class without the typical interruptions of a production environment. The class size will be limited to allow for individual one-on-one training. For more details about the class, download the training flyer at:

www.imaginant.com/pelt/training.pdf

WE'D LIKE TO HEAR FROM YOU

Please e-mail us at: LB@JSRUltrasonics.com with any comments or suggestions about our newsletter. We would also like to hear about any best practice suggestions for the PELT equipment. Your ideas may be highlighted in a future issue.