NEW LIFE FOR OLD TYRE TESTING MACHINES

Why are tyre manufacturers all over the world are currently updating or replacing existing controllers on their testing machines? Reasons include:

- Product end-of-life reached for hardware/software (non-support).
- The need to replace unusable, obsolete controls included with purchased surplus equipment.
- Existing controls no longer meet increasing customer demands for accuracy and repeatability.

While various solutions exist for the problem of updating/replacing testing machine controllers, not all solutions provide the same value. For example:

- A solution that simply updates a computer sitting in a panel will not improve data acquisition capability.
- A solution that only updates the operating system may give you nicer-looking screens, but fail to deliver the full benefits of newer technology.

New Tyre Testing Upgrade Kit

Poling Group now offers its TTOC6 Upgrade Kit to give tyre makers a quick, economical, and easy way to replace controllers AND truly modernize their testing machines.

Unlike other replacement solutions that replace the computer while leaving the original analog data processing system in place, the Poling Group solution combines our TTOC6 controller and TDAQ data acquisition product with our latest software breakthroughs to help you satisfy your most demanding customers.

Of course, since TTOC6 features a completely redesigned interface, you can count on nicer-looking screens and an improved user experience. However, by combining TTOC6 with TDAQ, our innovative Tire Data Acquisition product, the Poling Group solution provides greatly improved processing of tyre data as well.

Better Data Acquisition

TDAQ efficiently replaces the "cards in a rack" arrangement that exists in older, traditional test machine controllers.

A single TDAQ unit with four built-in strain-gage amplifiers can digitally convert load cell signals and send them to TTOC over a single Ethernet run. This allows the TDAQ to be positioned closer to the signal source, which produces stronger and cleaner signals that significantly increase data resolution.

Using TDAQ for data acquisition also generates substantial cost savings because of its small size, reduced wiring, and simplified spare parts management.

TTOC6 Controller

Faster Testing Machine Cycling

TTOC6 now includes Poling Group's new Waveform Validation and Correction (WVC) software, in addition to existing software features like real-time and oscilloscope plotting modes, on-demand production / maintenance statistics, and animated machine visualization.

We recently introduced WVC after nearly three years of R&D effort focused on one goal: develop a smarter way to begin

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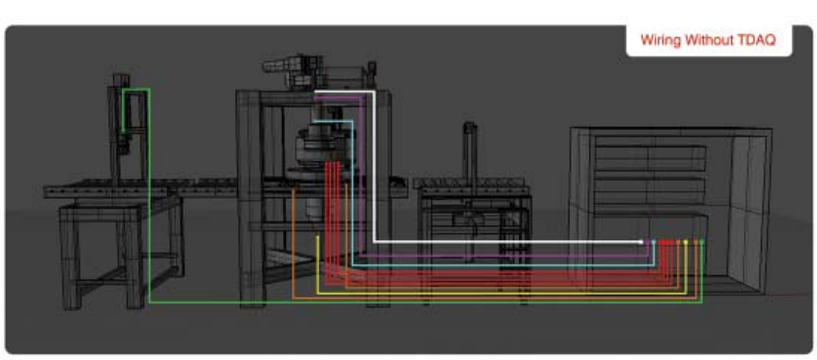
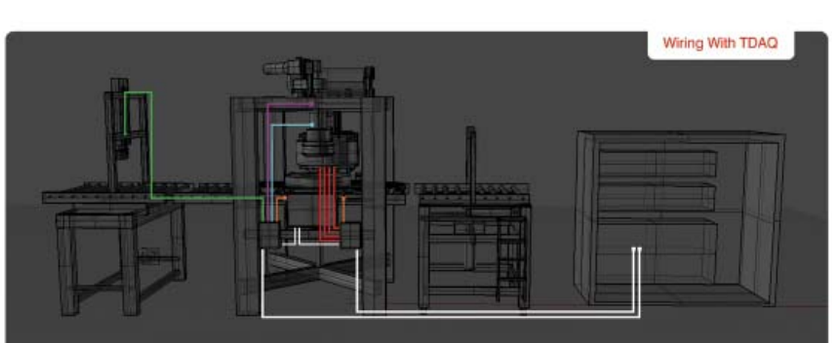




". . . the Poling Group solution provides greatly improved processing of tyre data . . ."

measurement acquisition for a uniformity test, rather than just waiting a fixed amount of time for tire stabilization.

WVC's ingenious, iterative process of waveform collection / validation / potential waveform correction results in tyres tested more accurately and with greater repeatability, within a significantly faster measurement cycle.

Legacy Testing Sequence Support

Of special interest to current TQC-86 users is our TBASIC grading logic, which supports the TQC TIGRE commands, making the transition to the TTOC6/TDAQ system even easier.

Integrated Modernization Options

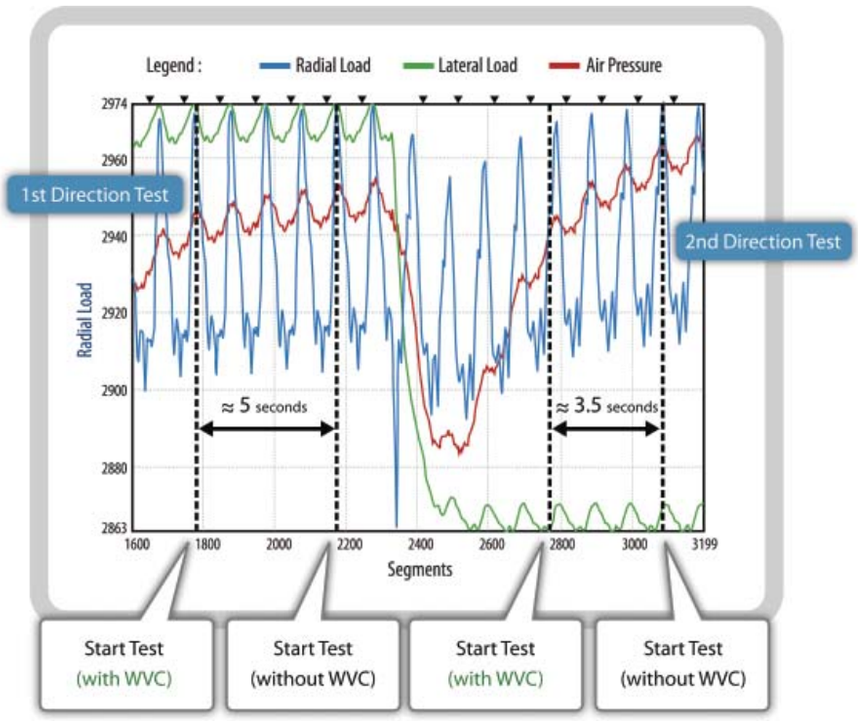
The TTOC6 Upgrade Kit is completely integrated with other Poling Group products that can quickly modernize your Final Finish department.

For example, if you want to satisfy customer requests for finished tyre data, analyze test results to improve tyre construction and processing, or monitor product yield, you can easily add Poling Group's Final Finish Host (FFH).

FFH not only collects, stores, and reports data originating from Poling Group testing machines, but also from other testing equipment commonly used in the final finish department.

TTOC6 also works with Poling Group's Tire Factory Floor Information System (TFFIS) to deliver production accounting and automated inventory management.

If you currently have your own proprietary factory data systems, Poling Group system engineers have the necessary experience and expertise to ensure they receive the tyre data they need, with data delivery that is timely and secure.



WVC – Tyres tested more accurately, with greater repeatability, within a faster machine cycle.

Your Choice

If all you really want is a tyre testing machine controller that supports your existing PLC and duplicates a simple interface of up to 24 digital inputs and 24 digital outputs, we can do that too!

But when you decide to replace your testing machine controller, we hope you will consider the outstanding investment value of the Poling Group TTOC6/TDAQ solution – already installed and field-proven in tyre factories around the world.

See www.PolingGroup.com to learn about our solutions for modernizing your final finish department–solutions that give you more.

View/Reset Audit for Verification Pattern TOS99

Accumulated Units this Audit 4	Minutes Since Last Unit 5.3

<----Cycle ---->							
Step	State	Accum	Avg	Cnt	Under	Over	Description
1	1	4.00	1	4	0	0	Rings In
2	2	6.00	1	4	0	0	Part Expand
3	3	7.00	1	4	0	0	Stitcher In
4	4	7.00	1	4	0	0	Low PSI Position
5	5	7.00	1	4	0	0	High PSI Position
6	6	7.00	1	4	0	0	Tread Run On

MACHINE STOPPED FOR:
QUALITY VIOLATION
SUPERVISOR ALERT PAGE SENT

TFFIS delivers production accounting and inventory management

FFH FFH for QA and product reporting.

Visit Poling Group at ITEC, September 18-21, 2012