TTOC6 - Tire Testing & Optimization Controller

CTI has redesigned the TTOC6 for the way that you do business

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We've improved capability by increasing resolution for all measurements, better noise immunity, and an auto plotting feature that captures tire run data without additional hard disk investment.

We've simplified maintenance by reducing electronic components, which means less points of failure and better reliability. The TTOC6 has online help with video for tooling changes, web-based message logs, servo setups and machine configurations. And, as always, "instant message" support at the machine any time, all the time.

The TTOC6 adapts to your control method-ology with a variety of customizable architec-tural implementations, your choice brand of PLC, and distributed I/O.

The "Next Gen" TTOC6 fits your business with a modular design for scalability, enabling phased approach to tire testing improvements. The new compact flash drive allows stand-alone operation with no data loss if the plant network fails. Also, built-in and optional data acquisition and integration help you achieve shop floor and product traceability requirements.

The new, easy to use graphic-based UI includes machine visualization screens that convey tire position and machine status "at a glance". TTOC6's user interface also includes real-time and oscilloscope plotting modes, in addition to real-time production and mainte-nance statistics.

TTOC is your best investment in technology for tire test control and data acquisition. It is an Industrial PC-based with web-enabled user interface you can view across the enterprise, and PLC is used for all field devices.

The TTOC6 is already integrated with controls for TSIS and other geometry measure-ment systems, and it accommodates mixed product (lot size 1) and batch production methodologies, making it the most versatile TUO controller on the market.

The TTOC6 is ready to use with CTI's FFH data acquisition and reporting system (or we can integrate TTOC6 to work directly with your existing final finish supervisory system).

Language localization feature greatly reduces end-user training, and display of I/O bits from the PLC and analog channels reduces dependence on external instruments like volt meters and oscilloscopes. As with

FIG.1

FIG.2

FIG.3

most Poling Group products the TTOC6 is available as a retrofit kit, and it provides complete control of uniformity machines such as the Poling Group X series, CX and High Speed Models.

FIG.1 We customize our help to match our customized test equipment. It includes photos and video to explain operational procedures and troubleshooting methods.

Users can select topics for general help, while calibration help appears automatically to guide users through these specialized tasks.

For help with responding to the current machine problem, just touch the alarm message in the status window.

FIG.2 Our latest geometry software incorpo-rates advanced testing algorithms to locate sidewall bulges and depressions, as well as other anomalies that appear in the sidewall and tread areas of the tire.

MPI is available for either spot lasers or line lasers. With spot lasers, MPI provides additional confirmation passes on either side of the chosen path in order to reduce false rejects. With line lasers, a 3-D image of many paths is produced. MPI uses this extra information to more accurately differentiate letters from anomalies and to automatically detect the ideal measurement region, ignoring the shoulder tread and bead areas. MPI is especially useful for tires that have large lettering or complex patterns that would make typical, single-path analysis difficult.

FIG.3 The machine visualization screen displays status. The thumbnail version of the screen includes cycle status indicators, while the full size version includes tracking data and fault details. This information is also instantly available for plant supervisors and engineers -- from their desktop computer!

Real-time support is only a touch away in the Chat Panel. The Chat Panel blinks to alert machine personnel to incoming messages. Once expanded, this instant messaging application allows direct communication with Poling Group engineers to solve problems – without waiting for support to arrive on-site.