2011: Latest News

New Cam Analyzer v4.0 Coming We're adding new features and updates to our Cam Analyzer software. We're also adding a whole new "Cam Grinder" version with new advanced features, including:

- Make absolute lift measurements so you can measure base circle and journals directly.
- Export digital files of XY coordinates or polar coordinates for CNC machining.
- Do harmonic analysis of cam profiles to check for valve spring surge problems.

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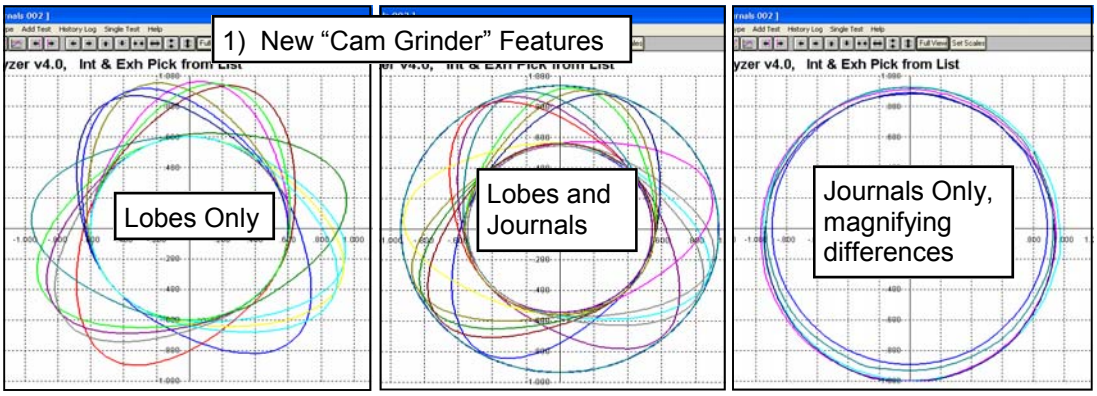
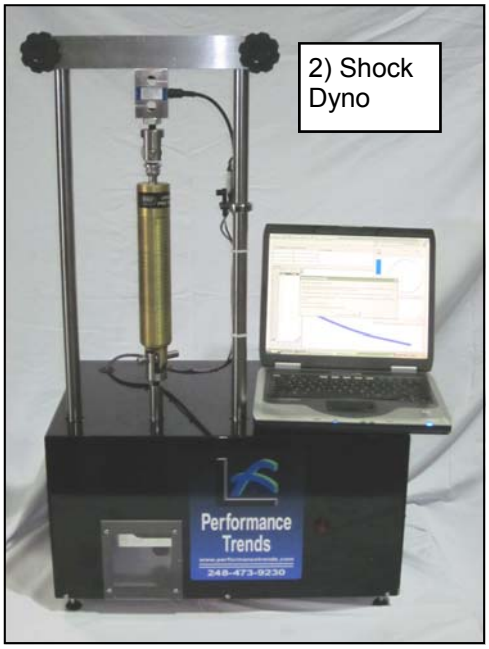


New, Larger DataMite 4 was released in 2011, with about 12 more input channels and several new output channels. The output channels are still being developed, but we intend them to be used for safety shutdowns (for example, shutting down the engine with a drop in oil pressure, shift light , etc). Fig 6.



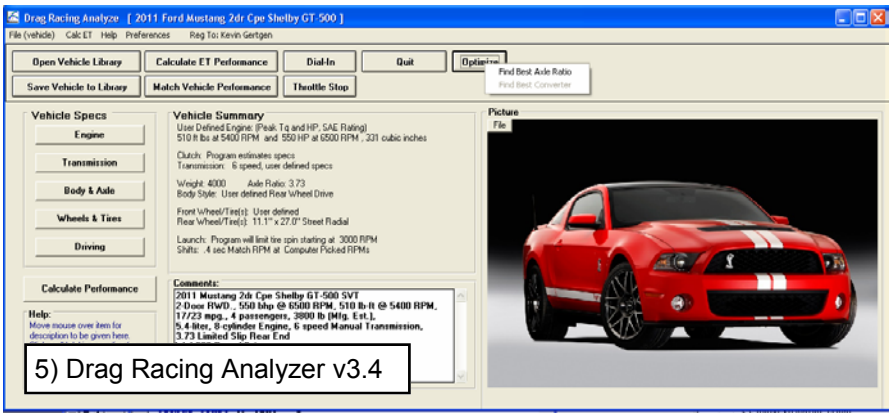
Shock Dyno will be released in early 2012. We introduced it last year at PRI and have had a year to refine it. See Fig 2.

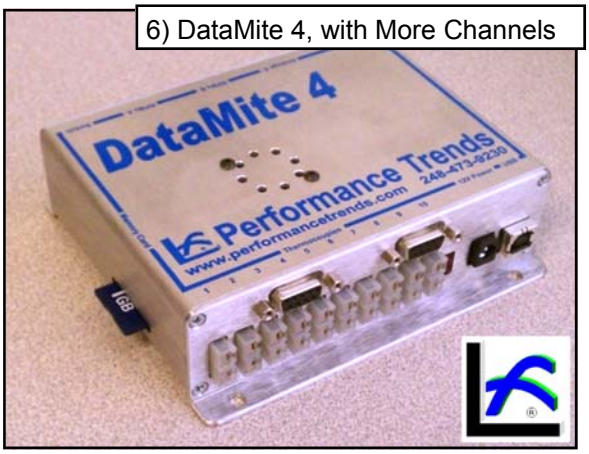
- 1.5HP, 110 VAC motor (ideal for most trailers and generators). Fig 2.
- Up to 2" stroke and 14"/second shock velocity.
- Measures forces over 1000 lbs.
- Optional shock temperature sensor.
- USB computer interface
- Software compatible with Win XP, Vista, Win 7.
- Advanced Plus version of software also available. See Figs 7 and 8.

Continued on page 2.

DataMite Micro was released in early 2011. This hand held "workhorse" has 2 current applications, Blow By Readout and Swirl Meter Readout. Many more applications are being developed for track and shop testing and data logging, either with or without a computer, and battery power.. Watch our website for releases. Fig 3 & 4.

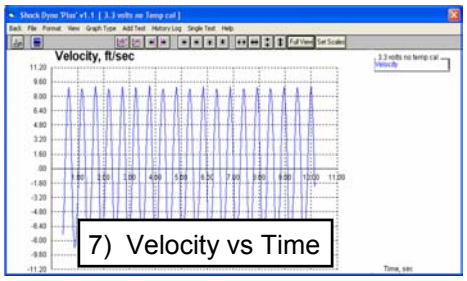
Drag Racing Analyzer v3.4 was released in 2011 with new features and vehicle files, and better Vista and Win 7 compatibility. Fig 5.



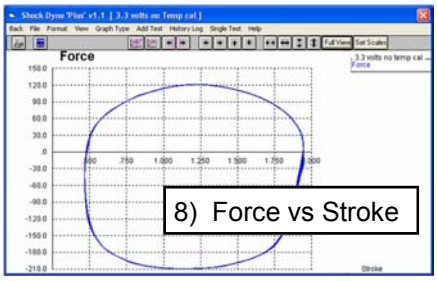


New Cam Analyzer v4.0 Coming, cont. Additional features for various versions include:

- Ability to use data measured with a roller follower (like the universal roller) to do the Virtual Follower simulation. Prior to this, you had to put the linear encoder tip directly on the cam lobe.
- Improved emailing of files, reports and graphs.



7) Velocity vs Time



8) Force vs Stroke

Shock Dyno, cont. Plus version features will include, reversing motor direction via computer, cycle until a specified shock temperature is reached before testing, and more advanced graph types.

Free On-Line Calculators have been added to our website. The programs let you do quick calculations of engine displacement, port flow efficiency, HP from drag racing results, and more. Features including being able to email and print professional results. See Fig 10.


Fig 9 Manual Valve Spring Opener

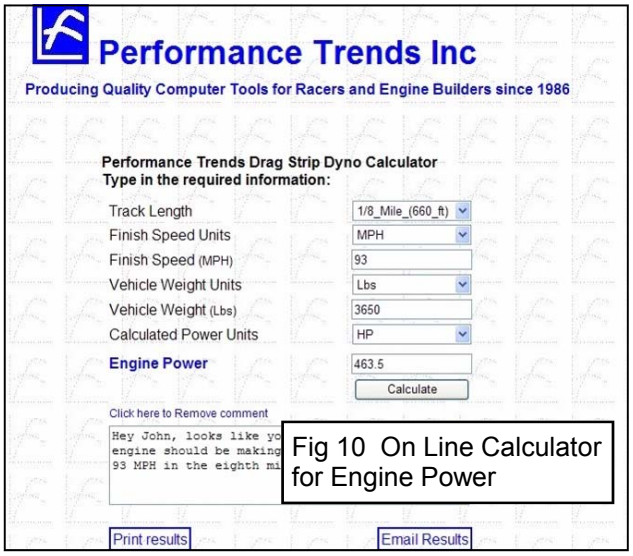


Fig 10 On Line Calculator for Engine Power

Other News in 2011 include:

- Valve Spring Wiz, a program similar to the old DOS Spring Master ™ was released. Fig 12.
- The Weather Wiz is our weather calculator, weather units converter, carb jetting analyzer, etc. We just added the feature for it to read our DataMite Mini USB weather station. See Fig 11.

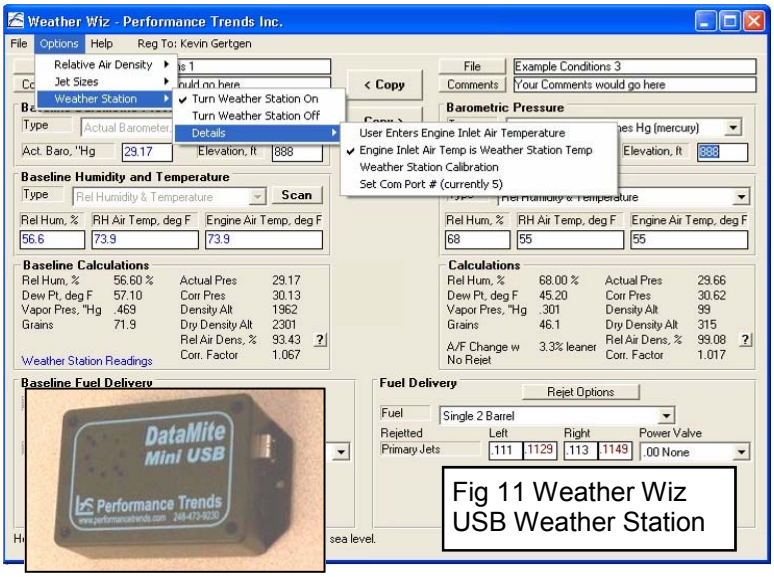


Fig 11 Weather Wiz USB Weather Station

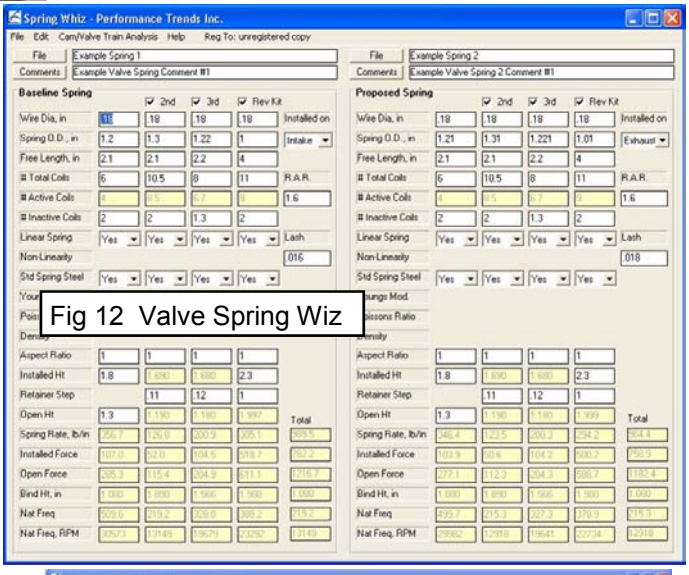


Fig 12 Valve Spring Wiz

- We've always had flow bench accessories, like pitot tubes, swirl meters, tumble fixtures, etc. We now added our line of valve openers. The automatic valve opener lets you automate some of your flow bench testing. But we've also released a less expensive, manual valve opener also. See Fig 9.
- We've added the ability of our Circle Track Log Book to interface to our Lap Segment Timer (computerized stop watch). With this ability, the Log Book can record and analyze lap times for each individual lap. See Fig 13.
- Watch our website and get on our newsletter mailing list for info on the many new products we've got planned for 2012.

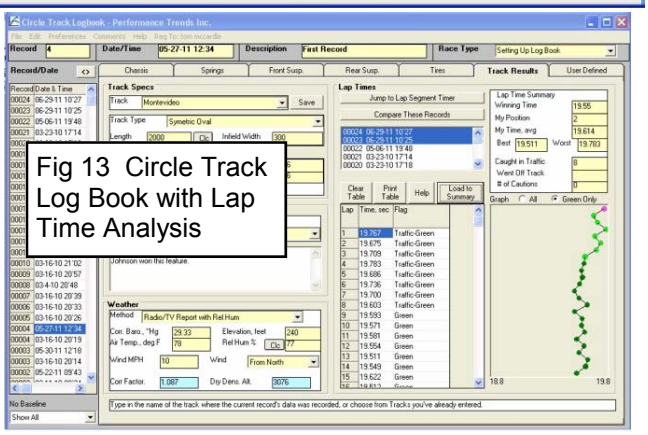


Fig 13 Circle Track Log Book with Lap Time Analysis

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