New ProRacing Sim® Software

ProRacing Sim® offers a complete line of affordable and accurate computer software simulations. These programs were carefully designed to be easy-to-navigate for beginning automotive enthusiasts, yet robust enough to help the professional engine builder or racer find a winning edge. All software products incorporate a custom user interface designed for popular Windows 95/98/Me/NT/2000/XP and Vista applications.

SIM ENGINE SIMULATIONS

DeskTop Dyno5™

Capable of testing any 1-12 cylinder, 4-cycle engine, this innovative software features a custom interface that includes easy-to-use Direct-Click™ Menus that allow you to select from a wide variety of parts—or enter custom specs. DeskTop Dyno5™ also includes several calculators to aid you with detailed engine analysis, including a CamMath QuickCalculator™, Induction-Flow Calculator and an Air Flow Pressure-Drop Calculator.

- Detailed graphs display projected hp, torque, VE, engine pressures and more
- QuickIterator™ automated testing tool helps find optimum component combinations for virtually any engine application
- Includes combustion chamber modeling, improved accuracy and new component choices to put you within 5% of real dyno data
- Displays results at each 500 rpm from 1000 to 14,500 rpm

DynoSim5™

Now you can dyno test your next engine project BEFORE you even build it. The DynoSim5™ software can accurately simulate any 4-cycle engine—including turbo, supercharged, nitrous and alternative fuel applications. Features include hundreds of new engines, advanced modeling, expanded results graphs and tables, comprehensive printouts, automatic updating over the web, and more. As a supplement to DynoSim5™, we now offer CamDisk8™ that will automatically install additional cam files to the cam library created when you installed DynoSim5™. With this additional disk, you will have access to over 6,000 camshafts that you can search, load and test in any simulated engine.

- Features combustion and ignition curve modeling, advanced rocker ratio mathematics, multiple graphs and data displays, and a higher degree of accuracy
- Incorporates new QuickIterator™ and ProIterator™ technologies that help find the best component combinations for optimal power
- Includes unique Pro Tools™ Kit that enhances functionality

*CamDisk8™ requires previous installation of DynoSim5™ and is compatible with DynoSim5™ only. CamDisk8™ is sold separately from DynoSim5™.

Dynomation-5™ Wave Action Engine Simulation

For the competitive engine builder, time is money. Thanks to the Dynomation-5™ Wave Action Engine Simulation, you can reduce the cost and time of engine development, while maintaining your competitive edge. By letting you peer inside a running engine, this advanced engine simulation reveals live pressure waves and mass flow in cylinders and engine passages. While Dynomation-5™ will accurately display how much power your engines makes, it will also show you where and how this power is achieved.

- 3D cutaway engine shows mass flow, port velocities and pressures—synchronized to the crank-angle data displayed in Dynomation-5™
- Fully analyzes induction runner lengths, port taper angles, port areas, cylinder head flow variations and cam timing
- Examines camshaft lift, duration, centerline and lobe separation angles